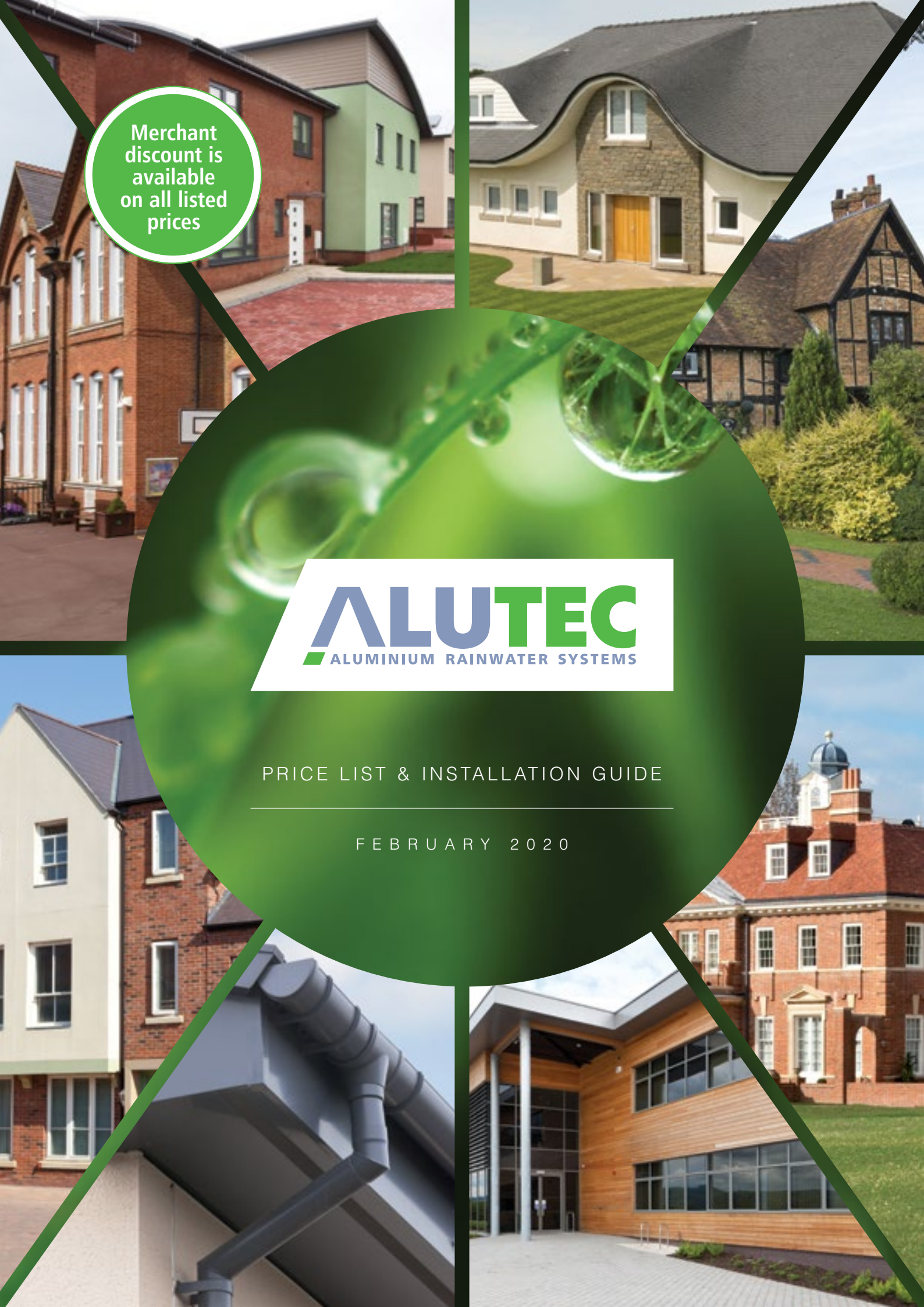

ALUTEC

ALUMINIUM RAINWATER SYSTEMS

PRICE LIST & INSTALLATION GUIDE

FEBRUARY 2020

Marley Alutec is part of Aliaxis, a global leader in plumbing, drainage and sanitary solutions. UK market leading brands include:

Alutec

Marley Alutec, manufacturer of aluminium rainwater and eaves solutions.

Tel. **+44 (0) 1234 359 438**
www.marleyalutec.co.uk

Durapipe UK

Manufacturer of high performance, thermoplastic pipework systems.

Tel. **+44 (0) 1543 471 680**
www.durapipe.co.uk

Marley Plumbing & Drainage

Marley Plumbing & Drainage offer innovative solutions for the construction industry.

Tel. **+44 (0) 1622 858 888**
www.marleyplumbinganddrainage.com

Hunter Plastics

Hunter Plastics produce above & below ground drainage solutions for any application.

Tel. **+44 (0) 1622 852 798**
www.hunterplastics.co.uk

Multikwik

Sanitary solutions to suit any project including traps, WC connectors, frames and more.

Tel. **+44 (0) 1622 852 798**
www.multikwik.com

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A Service & Product Solution Specialist

Marley Alutec is the UK leader in innovative aluminium rainwater and eaves solutions; we pride ourselves in offering a complete service and product solution tailored to each project's needs. Our Technical Services Department can assist you with:

- Correct system choice
- Roof drainage design
- Roof drainage calculations
- Installation advice
- Bespoke design service
- Scheduling quantities
- Fully itemised estimates

All Alutec product specifications and brochures can be downloaded from **www.marleyalutec.co.uk**.
For further technical queries, please call our Technical Services Department on **01234 344108**.

Online calculators

Go to **www.marleyalutec.co.uk/calculators** to take advantage of our innovative online calculators

- Estimating tool – Produce instant list value estimates for all your Marley Alutec product requirements
- Rainwater drainage design tool – Ensure your pitched and flat roof projects are in full compliance with the rainwater drainage design standard (BS EN12056-3)
- Specification manager – Produce specification documents based on Marley Alutec's wide range of innovative aluminium rainwater products and eaves solutions

Alutec Gutters and Drainage System Colours

Polyester powder coated (PPC) range of RAL colours with 30% gloss finish are available as standard (unless otherwise stated). This includes Heritage Black, which has a textured surface to accurately replicate the appearance of traditional cast iron gutters & downpipes. Please quote the colour reference with your order.

TEXTURED Heritage Black 80% Gloss	RAL 9010	RAL 9016	RAL 1013	RAL 9006	RAL 9005	RAL 7035	RAL 7036	RAL 7037	RAL 7012
RAL 7015	RAL 7016 Anthracite Grey	RAL 7022	RAL 7021	RAL 6005	RAL 8016	RAL 8014	RAL 8017	BS 08B29	

Additional colours, finishes and gloss levels are available, price on application. This chart is a representation of the actual colours, for exact match please ask for sample plates.

Alutec Fascia, Soffit and Coping System Colours

PVDF paint system to a 30-40% gloss level

RAL 9010	RAL 9016	RAL 1013	RAL 9005	RAL 7012	RAL 7015	RAL 7022	RAL 7016	RAL 7021	RAL 7036
RAL 7037	BS 08B29								

Kynar 500 flurocarbon PVDF external architectural grade paint to a 30 – 40% gloss level. Colours are approximate and for general guidance only. For exact colour and finish reference, samples are available on request. Additional colours are available for special projects subject to a minimum order quantity and lead time. For information on these and the gloss levels, please contact Customer Services, tel: 01234 359438.

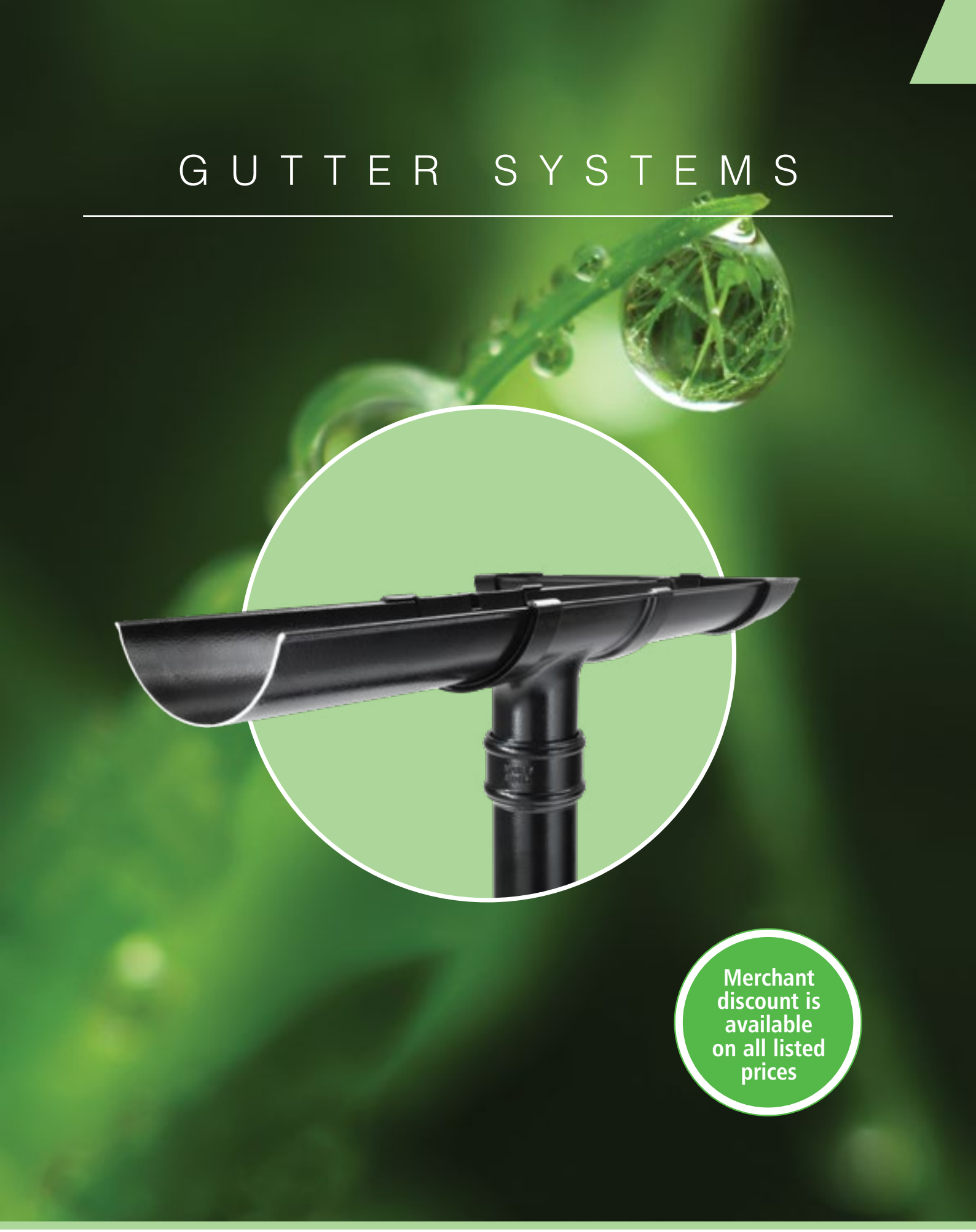
Choose the right gutter and downpipe combination.

Use the table below to select the most suitable gutter and downpipe combination.

GUTTER SYSTEMS				DOWNPIPE SYSTEM					
				63mm Ø	76mm Ø	102mm Ø	72x72mm	102x76mm	102x102mm
	evolve	Half Round		✓	✓				
		Deepflow			✓				
		Box			✓		✓		
		Ogee			✓		✓		
	traditional	Half Round*		✓	✓	✓	✓	✓	
		Victorian Ogee*		✓	✓		✓	✓	
		Moulded Ogee*		✓	✓	✓	✓	✓	✓
	aligator	Classic		✓					
		Deepflow		✓	✓	✓	✓	✓	
		Ogee No. 46		✓	✓	✓	✓	✓	✓
		Boxer*		✓	✓	✓	✓	✓	✓
		Giant			✓	✓	✓	✓	✓

*Compatibility depends on gutter size chosen.

GUTTER SYSTEMS



Merchant discount is available on all listed prices

evolve traditional aligator

Marley Alutec's total eaves solutions are available in a wide variety of aesthetics to suit all styles of property. Our easily installed Evolve, Traditional and Aligator eaves and rainwater ranges offer styles to suit all properties.

All our products use marine grade aluminium with a functional life expectancy of 50 years or more, resulting in ultimate longevity and low maintenance costs.

Polyester powder coated (PPC) range of RAL colours with 30% gloss finish are available as standard (unless otherwise stated). See page 5 for colour availability.

evolve

- As easy to install as PVC
- Industry leading flow rates reducing number of downpipes required
- Cost effective Heritage Black finish emulates appearance of cast iron

traditional

- Suitable for listed buildings and conservation areas
- Ideal for replacement of old cast iron system or reflect traditional styling of a new building
- Manufactured to original British Standard cast iron dimensions (BS 8530).

aligator

- Sleek and modern solution for rainwater disposal
- Snap fit boltless jointing system reduces installation times by up to 40% compared to traditional bolted systems
- Made from heavy grade aluminium, more resistant to damage than steel, roll-form or PVC systems.

Evolve Half Round Gutter Prices

evolve **These products are compatible with 63mmØ and 76mmØ downpipes**

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	Gutter 123x51mm	3m	**GT513H**	**61.40**	**XGT513**	**70.25**
	Union Joint		**GT520H**	**8.20**	**XGT520**	**9.31**
	Fascia bracket Fix at 1m centres		**GT580H**	**4.10**	**XGT580**	**4.56**
	Angle	90° 135° Non std. angles	**GT532H** **GT537H** **GT539H**	**15.69** **15.69** **POA**	**XGT532** **XGT537** **XGT539**	**17.84** **17.84** **POA**
	Outlet	63mm Ø 76mm Ø Downpipe connections	**GT522H** **GT523H**	**22.53** **38.29**	**XGT522** **XGT523**	**25.48** **43.32**
	Stop end	Internal External	**GT550H** **GT555H**	**7.10** **7.10**	**XGT550** **XGT555**	**8.07** **8.07**
	Fixed rafter arm	Side Top	**AC72H** **AC75H**	**12.92** **12.92**	**XAC72** **XAC75**	**12.92** **12.92**
	Rise & fall bracket		**AC92H**	**14.81**	**XAC92**	**14.81**

Evolve GT5 range in Heritage Black & Anthracite Grey — 2 Day Delivery Lead Time

Description			Code	Price
	Leafguard Mill Finish	1220mm	**SL70**	**15.87**
	Joint sealant	310ml clear	**SC101**	**9.24**
	Compatible fixing screws Roundhead fascia bracket screw	No. 10 x 30mm - Mill Finish	**SC201**	**0.23**

Please state colour when ordering

evolve **These products are compatible with 76mmØ downpipes**

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	Gutter 128x75mm	3m	**GE513H**	**79.29**	**XGE513**	**88.62**
	Union Joint		**GE520H**	**12.04**	**XGE520**	**12.87**
	Fascia bracket Fix at 1m centres		**GE580H**	**5.33**	**XGE580**	**6.01**
	Angle	90° 135° Non std. angles	**GE532H** **GE537H** **GE539H**	**25.48** **25.48** **POA**	**XGE532** **XGE537** **XGE539**	**27.87** **27.87** **POA**
	Outlet	76mm Ø Downpipe connection	**GE523H**	**35.39**	**XGE523**	**40.01**
	Stop end	Internal External	**GE550H** **GE555H**	**8.50** **9.91**	**XGE550** **XGE555**	**9.65** **11.09**
	Fixed rafter arm	Side Top	**AE73H** **AE76H**	**13.95** **13.95**	**XAE73** **XAE76**	**13.95** **13.95**
	Rise & fall bracket		**AE93H**	**16.13**	**XAE93**	**16.13**

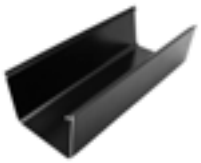
Description			Code	Price
	Leafguard Mill Finish	Length 1220mm	**SL75**	**16.75**
	Joint sealant	310ml clear	**SC101**	**9.24**
	Compatible fixing screws Roundhead fascia bracket screw	No. 10 x 30mm - Mill Finish	**SC201**	**0.23**

Evolve Box Gutter Prices

These products are compatible with 76mmØ and 72x72mm downpipes

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	**Gutter** 130x85mm	3m	**GB513H**	**101.12**	**XGB513**	**113.26**
	Union Joint		**GB520H**	**19.88**	**XGB520**	**20.56**
	Fascia bracket Fix at 1m centres		**GB580H**	**6.27**	**XGB580**	**6.54**
	Angle	90° 135° Non std. angles	**GB532H** **GB537H** **GB539H**	**39.10** **39.10** **POA**	**XGB532** **XGB537** **XGB539**	**41.79** **41.79** **POA**
	Outlet	76mm Ø 72x72mm Downpipe connections	**GB523H** **GB525H**	**51.24** **51.24**	**XGB523** **XGB525**	**53.27** **53.27**
	Outlet spigot extender	76mm Ø for fascia depths greater than 260mm 72x72mm for fascia depths greater than 260mm		**POA** **POA**		**POA** **POA**
	Stop end	Internal External	**GB550H** **GB555H**	**10.79** **18.54**	**XGB550** **XGB555**	**12.77** **19.55**

Description			Code	Price
	Leafguard Mill Finish	Length 1220mm	**SL76**	**16.75**
	Joint sealant	310ml clear	**SC101**	**9.24**
	Compatible fixing screws Roundhead fascia bracket screw	No. 10 x 30mm - Mill Finish	**SC201**	**0.23**

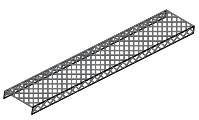
Please state colour when ordering

evolve **These products are compatible with 76mmØ and 72x72mm downpipes**

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	Gutter 130x95mm	3m	**GY513H**	**111.25**	**XGY513**	**124.59**
	Union Joint		**GY520H**	**21.89**	**XGY520**	**22.61**
	Fascia bracket Fix at 1m centres		**GY580H**	**6.27**	**XGY580**	**6.54**
	Angle	90° internal 90° external 135° internal 135° external Non std. angles	**GY530H** **GY531H** **GY535H** **GY536H** **GY539H**	**43.01** **43.01** **43.01** **43.01** **POA**	**XGY530** **XGY531** **XGY535** **XGY536** **XGY539**	**45.98** **45.98** **45.98** **45.98** **POA**
	Outlet	76mm Ø 72x72mm Downpipe connections	**GY523H** **GY525H**	**56.37** **56.37**	**XGY523** **XGY525**	**58.59** **58.59**
	Outlet spigot extender	76mm Ø for fascia depths greater than 260mm 72x72mm for fascia depths greater than 260mm		**POA** **POA**		**POA** **POA**
	Stop end	Right hand internal Left hand internal Right hand external Left hand external	**GY558H** **GY557H** **GY555H** **GY550H**	**11.88** **11.88** **20.39** **20.39**	**XGY558** **XGY557** **XGY555** **XGY550**	**13.34** **13.34** **21.52** **21.52**

Description			Code	Price
	**Leafguard** Mill Finish	Length 1220mm	**SL77**	**16.75**
	Joint sealant	310ml clear	**SC101**	**9.24**
	Compatible fixing screws Roundhead fascia bracket screw	No. 10 x 30mm - Mill Finish	**SC201**	**0.23**

Traditional Half Round Gutter Prices: BS 8530

traditional — These products are compatible with 63mmØ, 76mmØ, 102mmØ, 72x72mm and 102x76mm downpipes

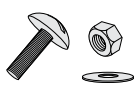
For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Traditional GC4, GC1 & GC5 ranges in Heritage Black — 2 Day Delivery Lead Time

Description		100mm (4")				113mm (4½")				125mm (5")			
		Heritage Black		Other Colours		Heritage Black		Other Colours		Heritage Black		Other Colours	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	Gutter 1.83m	GC406H	53.08	XGC406	53.08	GC106H	55.27	XGC106	55.27	GC506H	61.92	XGC506	61.92
	Union Joint For use with gutter off-cuts (external)	GC420H	10.85	XGC420	10.85	GC120H	11.66	XGC120	11.66	GC520H	12.89	XGC520	12.89
	Fascia bracket Fix at 915mm centres	GC480H	4.22	XGC480	4.22	GC180H	4.41	XGC180	4.41	GC580H	6.97	XGC580	6.97
	Angle 90° 135° Non std angle	GC432H GC437H GC439H	16.96 39.94 POA	XGC432 XGC437 XGC439	16.96 39.94 POA	GC132H GC137H GC139H	19.42 42.40 POA	XGC132 XGC137 XGC139	19.42 42.40 POA	GC532H GC537H GC539H	21.70 44.55 POA	XGC532 XGC537 XGC539	21.70 44.55 POA
	Outlet 63mm Ø 76mm Ø 102mm Ø 72x72mm 102x76mm Downpipe connections	GC422H GC423H GC425H	26.42 26.42 55.21	XGC422 XGC423 XGC425	26.42 26.42 55.21	GC122H GC123H GC125H	24.51 24.51 53.22	XGC122 XGC123 XGC125	24.51 24.51 53.22	GC522H GC523H GC524H GC525H GC526H	24.86 24.86 31.75 53.60 61.76	XGC522 XGC523 XGC524 XGC525 XGC526	24.86 24.86 31.75 53.60 61.76
	Stop end Internal External	GC450H GC455H	7.35 7.35	XGC450 XGC455	7.35 7.35	GC150H GC155H	8.13 8.13	XGC150 XGC155	8.13 8.13	GC550H GC555H	9.55 9.55	XGC550 XGC555	9.55 9.55

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	Fixed rafter arm	Side 100mm Side 113mm Side 125mm Top 100mm Top 113mm Top 125mm	AC71H AC72H AC73H AC74H AC75H AC76H	12.92 12.92 12.92 12.92 12.92 12.92	XAC71 XAC72 XAC73 XAC74 XAC75 XAC76	12.92 12.92 12.92 12.92 12.92 12.92
	Rise & fall bracket	100mm 113mm 125mm	AC91H AC92H AC93H	14.81 14.81 15.07	XAC91 XAC92 XAC93	14.81 14.81 15.07

Description			Code	Price
	Leafguard Mill Finish Length: 1220mm	100mm 113mm 125mm	SL71 SL72 SL73	16.75 16.75 16.75
	Compatible fixing screws Roundhead fascia bracket screw	No. 10x30mm - Mill Finish	SC201	0.23
	Joint sealant	310ml clear	SC101	9.24
	**Aluminium nuts, bolts & washers** For jointing gutters and fittings	M6 x 20mm Aluminium bolt PPC - pack 25. Available in all standard colours	SC501H	9.31
		M6 Aluminium nut & washer set - Mill finish - pack 100	SC531	29.35

Please state colour when ordering

traditional

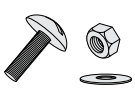
These products are compatible with 63mmØ, 76mmØ, 72x72mm and 102x76mm downpipes

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description		100mm (4")				113mm (4½")				125mm (5")			
		Heritage Black		Other Colours		Heritage Black		Other Colours		Heritage Black		Other Colours	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	Gutter 1.83m	GV406H	80.34	XGV406	80.34	GV106H	104.35	XGV106	104.35	GV506H	110.48	XGV506	110.48
	Union Joint For use with gutter off-cuts (external)	GV420H	11.79	XGV420	11.79	GV120H	15.31	XGV120	15.31	GV520H	19.97	XGV520	19.97
	Fascia bracket Fix at 915mm centres	GV480H	10.26	XGV480	10.26	GV180H	13.55	XGV180	13.55	GV580H	14.52	XGV580	14.52
	Angle 90° int 90° ext 135° int 135° ext Non std angle	GV430H GV431H GV435H GV436H GV439H	22.27 22.27 22.27 22.27 POA	XGV430 XGV431 XGV435 XGV436 XGV439	22.27 22.27 22.27 22.27 POA	GV130H GV131H GV135H GV136H GV139H	31.35 31.35 31.35 31.35 POA	XGV130 XGV131 XGV135 XGV136 XGV139	31.35 31.35 31.35 31.35 POA	GV530H GV531H GV535H GV536H GV539H	34.14 34.14 63.42 63.42 POA	XGV530 XGV531 XGV535 XGV536 XGV539	34.14 34.14 63.42 63.42 POA
	Outlet 63mm Ø 76mm Ø 72x72mm 102x76mm Downpipe connections	GV422H GV423H GV425H	33.36 33.36 89.17	XGV422 XGV423 XGV425	33.36 33.36 89.17	GV122H GV123H GV125H	33.93 33.93 89.48	XGV122 XGV123 XGV125	33.93 33.93 89.48	GV522H GV523H GV525H GV526H	44.72 44.72 100.21 100.21	XGV522 XGV523 XGV525 XGV526	44.72 44.72 100.21 100.21
	Stop end Left Hand (int) Right Hand (ext)	GV450H GV455H	11.09 11.12	XGV450 XGV455	11.09 11.12	GV150H GV155H	13.73 13.89	XGV150 XGV155	13.73 13.89	GV550H GV555H	18.61 18.69	XGV550 XGV555	18.61 18.69

Description		Heritage Black		Other Colours	
		Code	Price	Code	Price
	Fixed rafter arm Side 100mm	AV71H	14.56	XAV71	14.56
	Side 113mm	AV72H	14.56	XAV72	14.56
	Side 125mm	AV73H	14.56	XAV73	14.56
	Top 100mm	AV74H	14.56	XAV74	14.56
	Top 113mm	AV75H	14.56	XAV75	14.56
	Top 125mm	AV76H	14.56	XAV76	14.56
	Rise & fall bracket 100mm	AV91H	22.65	XAV91	22.65
	113mm	AV92H	22.65	XAV92	22.65
	125mm	AV93H	22.65	XAV93	22.65

Description		Code	Price
	Leafguard Mill Finish Length: 1220mm 100mm	SL111	16.75
	113mm	SL113	16.75
	125mm	SL125	16.75
	Compatible fixing screws No. 10 x 30mm roundhead - for fascia bracket	SC201	0.23
	No. 12 x 50mm domehead - for direct fixing of gutter	SC231	0.35
	Joint sealant 310ml clear	SC101	9.24
	**Aluminium nuts, bolts & washers** For jointing gutters and fittings M6 x 20mm Aluminium bolt PPC - pack 25. Available in all standard colours	SC501H	9.31 / XSC501 9.31
	M6 Aluminium nut & washer set - Mill finish - pack 100	SC531	29.35

Traditional Moulded Ogee Gutter Prices: BS 8530

traditional These products are compatible with 63mmØ, 76mmØ, 102mmØ, 72x72mm, 102x76mm and 102x102mm downpipes. Please check exact compatibility before ordering.

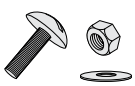
For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Traditional GM5 & GM6 ranges in Heritage Black — 2 Day Delivery Lead Time

Description		100mm (4")				125mm (5")				150mm (6")			
		Heritage Black		Other Colours		Heritage Black		Other Colours		Heritage Black		Other Colours	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	Gutter 1.83m	GM406H	144.14	XGM406	144.14	GM506H	123.25	XGM506	123.25	GM606H	189.67	XGM606	189.67
	Union Joint For use with gutter off-cuts	GM420H	18.85	XGM420	18.85	GM520H	18.92	XGM520	18.92	GM620H	35.03	XGM620	35.03
	Fascia bracket Fix at 915mm centres	GM480H	15.45	XGM480	15.45	GM580H	14.48	XGM580	14.48	GM680H	25.23	XGM680	25.23
	Direct fix bracket Fix at 610mm centres	GM481H	6.65	XGM481	6.65	GM581H	6.61	XGM581	6.61	GM681H	6.65	XGM681	6.65
	Angle 90° int 90° ext 135° int 135° ext Non std angle	GM430H GM431H GM435H GM436H GM439H	34.48 34.48 34.48 34.48 POA	XGM430 XGM431 XGM435 XGM436 XGM439	34.48 34.48 34.48 34.48 POA	GM530H GM531H GM535H GM536H GM539H	37.88 37.88 37.88 37.88 POA	XGM530 XGM531 XGM535 XGM536 XGM539	37.88 37.88 37.88 37.88 POA	GM630H GM631H GM635H GM636H GM639H	56.78 56.78 56.78 56.78 POA	XGM630 XGM631 XGM635 XGM636 XGM639	56.78 56.78 56.78 56.78 POA
	Outlet 63mm Ø 76mm Ø 102mm Ø 72x72mm 102x76mm 102x102mm Downpipe connections	GM422H GM423H GM425H GM426H	42.71 42.71 60.69 60.69	XGM422 XGM423 XGM425 XGM426	42.71 42.71 60.69 60.69	GM522H GM523H GM524H GM525H GM526H GM527H	39.35 39.35 95.56 68.75 95.56 95.92	XGM522 XGM523 XGM524 XGM525 XGM526 XGM527	39.35 39.35 95.56 68.75 95.56 95.92	GM622H GM623H GM624H GM625H GM626H GM627H	89.63 89.63 89.63 137.93 137.93 137.93	XGM622 XGM623 XGM624 XGM625 XGM626 XGM627	89.63 89.63 89.63 137.93 137.93 137.93
	Stop end Left Hand (ext) Right Hand (int)	GM450H GM455H	17.92 17.92	XGM450 XGM455	17.92 17.92	GM550H GM555H	19.88 19.88	XGM550 XGM555	19.88 19.88	GM650H (int) GM655 (ext)	35.03 35.03	XGM650 XGM655	35.03 35.03

Description		Heritage Black		Other Colours	
		Code	Price	Code	Price
	Fixed rafter arm Side 100x75mm Side 125x100mm Side 150x100mm Top 100x75mm Top 125x100mm Top 150x100mm	AM71H AM73H AM75H AM74H AM76H AM77H	16.18 16.18 16.18 16.18 16.18 16.18	XAM71 XAM73 XAM75 XAM74 XAM76 XAM77	16.18 16.18 16.18 16.18 16.18 16.18
	Rise & fall bracket 100x75mm 125x100mm 150x100mm	AM91H AM93H AM94H	22.65 22.65 22.65	XAM91 XAM93 XAM94	22.65 22.65 22.65

Description			Code	Price
	Leafguard Mill Finish Length: 1220mm	100x75mm 125x100mm 150x100mm	SL114 SL115 SL116	16.75 16.75 16.75
	Compatible fixing screws	No. 10x30mm roundhead - for fascia bracket	SC201	0.23
		No. 12 x 50mm domehead - for direct fixing of gutter	SC231	0.35
	Joint sealant	310ml clear	SC101	9.24
	**Aluminium nuts, bolts & washers** For jointing gutters and fittings	M6 x 20mm Aluminium bolt PPC - pack 25. Available in all standard colours	SC501H / XSC501	9.31 / 9.31
		M6 Aluminium nut & washer set - Mill finish - pack 100	SC531	29.35

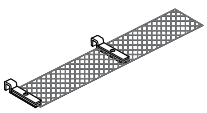
Additional sundries required, see page 33. Please state colour when ordering.

aligator **These products are compatible with 63mmØ downpipes**

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	Gutter 120x75mm	3m	**GK413H**	**64.11**	**XGK413**	**81.51**
	Union Joint		**GK420H**	**7.77**	**XGK420**	**9.67**
	Fascia bracket Fix at 1m centres	(external)	**GK480H**	**4.93**	**XGK480**	**6.02**
	Angle	90° int 90° ext 135° int 135° ext Non standard angle	**GK430H** **GK431H** **GK435H** **GK436H** **GK439H**	**42.99** **42.99** **42.99** **42.99** **POA**	**XGK430** **XGK431** **XGK435** **XGK436** **XGK439**	**45.98** **45.98** **45.98** **45.98** **POA**
	Outlet	63mm Ø	**GK421H**	**51.30**	**XGK421**	**57.12**
	Stop end	Left hand external Right hand external	**GK450H** **GK455H**	**8.34** **8.34**	**XGK450** **XGK455**	**10.09** **10.09**

Description			Code	Price
	**Leafguard** Mill finish	Length 1220mm	**SL101**	**16.75**
	Joint sealant	310ml clear	**SC101**	**9.24**
Compatible fixing screws Mill finish		No. 10x30mm roundhead - for use with fascia bracket	**SC201**	**0.23**
		No. 10 x 30mm countersunk - for use with union, angle and outlet	**SC202**	**0.23**

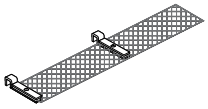
Aligator® Snap Fit Deepflow Gutter Prices

aligator **These products are compatible with 63mmØ, 76mmØ, 102mmØ, 72x72mm, 102x76mm and 102x102mm downpipes**

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	Gutter 130x80mm	3m	**GD513H**	**140.63**	**XGD513**	**140.63**
	Union Joint	(internal)	**GD520H**	**6.73**	**XGD520**	**6.73**
	Fascia bracket Fix at 750mm centres		**GD580H**	**3.05**	**XGD580**	**3.05**
	Angle	90° int 90° ext 135° int 135° ext Non std angle	**GD530H** **GD531H** **GD535H** **GD536H** **GD539H**	**52.68** **52.68** **52.68** **52.68** **POA**	**XGD530** **XGD531** **XGD535** **XGD536** **XGD539**	**52.68** **52.68** **52.68** **52.68** **POA**
	Outlet	63mm Ø 76mm Ø 102mm Ø 72x72mm 102x76mm 102x102mm Downpipe connections	**GD522H** **GD523H** **GD524H** **GD525H** **GD526H** **GD527H**	**40.29** **43.77** **68.40** **52.30** **63.03** **72.37**	**XGD522** **XGD523** **XGD524** **XGD525** **XGD526** **XGD527**	**40.29** **43.77** **68.40** **52.30** **63.03** **72.37**
	Stop end	(internal)	**GD550H**	**27.66**	**XGD550**	**27.66**

Description			Code	Price
	Packing shim Mill finish	for use with 1.5mm thick fascia bracket	**SC380**	**0.73**
	**Leafguard** Mill finish	Length 1220mm	**SL102**	**16.75**
	Joint sealant	310ml clear	**SC101**	**9.24**
	Compatible fixing screws Roundhead fascia bracket screw	No. 10 x 30mm roundhead- Mill finish	**SC201**	**0.23**

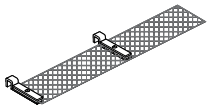
Please state colour when ordering

aligator **These products are compatible with 63mmØ, 76mmØ, 102mmØ, 72x72mm, 102x76mm and 102x102mm downpipes**

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	Gutter 155x100mm	3m	**GG513H**	**180.64**	**XGG513**	**180.64**
	Union Joint	(internal)	**GG520H**	**8.42**	**XGG520**	**8.42**
	Fascia bracket Fix at 750mm centres		**GG580H**	**3.37**	**XGG580**	**3.37**
	Angle	90° int 90° ext 135° int 135° ext Non std angle	**GG530H** **GG531H** **GG535H** **GG536H** **GG539H**	**57.49** **57.49** **57.49** **57.49** **POA**	**XGG530** **XGG531** **XGG535** **XGG536** **XGG539**	**57.49** **57.49** **57.49** **57.49** **POA**
	Outlet	63mm Ø 76mm Ø 102mm Ø 72x72mm 102x76mm 102x102mm Downpipe connections	**GG522H** **GG523H** **GG524H** **GG525H** **GG526H** **GG527H**	**43.64** **47.07** **57.92** **60.43** **65.75** **70.19**	**XGG522** **XGG523** **XGG524** **XGG525** **XGG526** **XGG527**	**43.64** **47.07** **57.92** **60.43** **65.75** **70.19**
	Stop end	Left Hand (int) Right Hand (int)	**GG550H** **GG555H**	**33.09** **33.09**	**XGG550** **XGG555**	**33.09** **33.09**

Description			Code	Price
	Packing shim Mill finish	for use with 1.5mm thick fascia bracket	**SC381**	**0.76**
	**Leafguard** Mill finish	Length 1220mm	**SL103**	**16.75**
	Joint sealant	310ml clear	**SC101**	**9.24**
	Compatible fixing screws Roundhead fascia bracket screw	No. 10 x 30mm roundhead- Mill finish	**SC201**	**0.23**

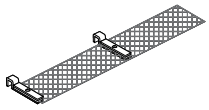
Aligator® Snap Fit Boxer Gutter Prices

aligator These products are compatible with 63mmØ, 76mmØ, 102mmØ, 72x72mm, 102x76mm and 102x102mm downpipes

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description			120 x 80mm				135 x 100mm				160 x 100mm			
			Heritage Black		Other Colours		Heritage Black		Other Colours		Heritage Black		Other Colours	
			Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	Gutter	3m	**GF413H**	**113.36**	**XGF413**	**113.36**	**GF513H**	**163.13**	**XGF513**	**163.13**	**GF613H**	**174.85**	**XGF613**	**174.85**
	Union Joint	(internal)	**GF420H**	**7.94**	**XGF420**	**7.94**	**GF520H**	**9.20**	**XGF520**	**9.20**	**GF620H**	**9.83**	**XGF620**	**9.83**
	Fascia bracket Fix at 750mm centres		**GF480H**	**3.34**	**XGF480**	**3.34**	**GF080H**	**3.37**	**XGF080**	**3.37**	**GF080H**	**3.37**	**XGF080**	**3.37**
	Angle	90° int 90° ext 135° int 135° ext Non std angle	**GF430H** **GF431H** **GF435H** **GF436H** **GF439H**	**44.16** **44.16** **44.16** **44.16** **POA**	**XGF430** **XGF431** **XGF435** **XGF436** **XGF439**	**44.16** **44.16** **44.16** **44.16** **POA**	**GF530H** **GF531H** **GF535H** **GF536H** **GF539H**	**56.26** **56.26** **56.26** **56.26** **POA**	**XGF530** **XGF531** **XGF535** **XGF536** **XGF539**	**56.26** **56.26** **56.26** **56.26** **POA**	**GF630H** **GF631H** **GF635H** **GF636H** **GF639H**	**59.19** **59.19** **59.19** **59.19** **POA**	**XGF630** **XGF631** **XGF635** **XGF636** **XGF639**	**59.19** **59.19** **59.19** **59.19** **POA**
	Outlet	63mm Ø 76mm Ø 102mm Ø 72x72mm 102x76mm 102x102mm	**GF422H** **GF423H** **GF425H** **GF426H**	**37.79** **37.79** **51.36** **60.84**	**XGF422** **XGF423** **XGF425** **XGF426**	**37.79** **37.79** **51.36** **60.84**	**GF522H** **GF523H** **GF524H** **GF525H** **GF526H** **GF527H**	**42.07** **42.07** **59.56** **55.18** **64.52** **70.84**	**XGF522** **XGF523** **XGF524** **XGF525** **XGF526** **XGF527**	**42.07** **42.07** **59.56** **55.18** **64.52** **70.84**	**GF622H** **GF623H** **GF624H** **GF625H** **GF626H** **GF627H**	**43.75** **43.75** **61.11** **56.78** **66.01** **72.23**	**XGF622** **XGF623** **XGF624** **XGF625** **XGF626** **XGF627**	**43.75** **43.75** **61.11** **56.78** **66.01** **72.23**
	Stop end	Left hand (int) Right hand (int)	**GF450H** **GF455H**	**23.49** **23.49**	**XGF450** **XGF455**	**23.49** **23.49**	**GF550H** **GF555H**	**29.36** **29.36**	**XGF550** **XGF555**	**29.36** **29.36**	**GF650H** **GF655H**	**32.17** **32.17**	**XGF650** **XGF655**	**32.17** **32.17**

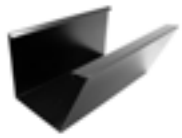
Description			Code	Price
	Packing shim Mill finish	120x80mm 135x100, 160x100mm For use with fascia bracket	**SC382** **SC381**	**0.72** **0.76**
	**Leafguard** Mill finish	120x80mm 135x100mm 160x100mm Length 1220mm	**SL105** **SL106** **SL107**	**16.75** **16.75** **16.75**
	Joint sealant	310ml clear	**SC101**	**9.24**
	Compatible fixing screws Roundhead fascia bracket screw	No. 10 x 30mm roundhead- Mill finish	**SC201**	**0.23**

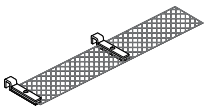
Please state colour when ordering

aligator **These products are compatible with 76mmØ, 102mmØ, 72x72mm, 102x76mm and 102x102mm downpipes**

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	**Gutter** 200x150mm	3m	**GH813H**	**180.07**	**XGH813**	**180.07**
	Union Joint	(external)	**GH820H**	**16.75**	**XGH820**	**16.75**
	Stiffener bracket & spacer assembly Fix at 750mm centres Mill finish		**GH885**	**6.92**		
	Angle Includes fixing bolts and nuts	90° int 90° ext 135° int 135° ext Non std angle	**GH830H** **GH831H** **GH835H** **GH836H** **GH839H**	**92.64** **92.64** **92.64** **92.64** **POA**	**XGH830** **XGH831** **XGH835** **XGH836** **XGH839**	**92.64** **92.64** **92.64** **92.64** **POA**
	Patch outlet Includes fixing bolts and nuts	76mm Ø 102mm Ø 72x72mm 102x76mm 102x102mm	**GH823H** **GH824H** **GH825H** **GH826H** **GH827H**	**42.14** **42.14** **42.14** **42.14** **42.14**	**XGH823** **XGH824** **XGH825** **XGH826** **XGH827**	**42.14** **42.14** **42.14** **42.14** **42.14**
	Stop end	Left hand (ext) Right hand (ext)	**GH850H** **GH855H**	**51.22** **51.22**	**XGH850** **XGH855**	**51.22** **51.22**

Description		Code	Price
	**Leafguard** Mill finish — Length 1220mm	**SL225**	**20.25**
	Joint sealant — 310ml clear	**SC101**	**9.24**
Compatible fixing screws Mill finish	No. 10 x 30mm countersunk - for use with union and angle	**SC202**	**0.23**
	No. 12 x 50mm domehead - for use with stiffener bracket	**SC231**	**0.35**
	M6 x 20mm Aluminium washer per 100	**SC521**	**9.80**

For an estimate email projects@marleyalutec.co.uk or use our online estimating tool at www.marleyalutec.co.uk/calculators Additional sundries required, see page 33.

DOWNPIPES

Merchant discount is available on all listed prices

Evolve 63mm Downpipe Prices

To view compatible gutter systems, see page 7

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	Non socketed pipe	3m	**RT213H**	**53.57**	**XRT213**	**60.61**
	Pipe socket	Eared Non Eared	**RT220H** **RT220NEH**	**10.69** **10.69**	**XRT220** **XRT220NE**	**12.06** **12.06**
	Bend	Top 112.5° Bottom 112.5° 92.5°	**RT232H** **RT292H** **RT230H**	**22.73** **22.73** **22.73**	**XRT232** **XRT292** **XRT230**	**25.48** **25.48** **25.48**
	Branch	112.5°	**RT242H**	**41.18**	**XRT242**	**46.51**
	Shoe		**RT250H**	**14.46**	**XRT250**	**16.19**
	Access pipe		**RT260H**	**45.12**	**XRT260**	**50.64**
	Pipe clip		**RT280H**	**3.80**	**XRT280**	**4.13**
	Rainwater diverter		**TRD25H**	**48.22**	**XTRD25**	**55.10**
	Hopper head 250x180x180mm tall	Standard	**RH110H**	**64.02**	**XRH110**	**64.02**
Compatible fixing screws		No. 12 x 50 domehead - for downpipe	**SC205H**	**0.51**	**XSC205**	**0.51**
		M6 x 70mm hexagonal coach screw - for hopper	**SC208H**	**1.49**	**XSC208**	**1.49**

Description			Code	Price
	Joint sealant	310ml clear	**SC101**	**9.24**

Additional sundries required on page 33. Please state colour when ordering.

To view compatible gutter systems, see page 7

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Tudor TR2 & TR3 range in Heritage Black 2 Day Delivery Lead Time

Description		63mm				76mm				102mm			
		Heritage Black		Other Colours		Heritage Black		Other Colours		Heritage Black		Other Colours	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	Downpipe 2m 3m	**TR212H** **TR213H**	**67.26** **85.07**	**XTR212** **XTR213**	**68.44** **89.74**	**TR312H** **TR313H**	**73.38** **96.70**	**XTR312** **XTR313**	**83.68** **104.59**	**TR412H** **TR413H**	**111.04** **149.32**	**XTR412** **XTR413**	**126.59** **161.51**
	Pipe socket Eared Non Eared	**TR220H** **TR220NEH**	**21.67** **13.27**	**XTR220** **XTR220NE**	**22.90** **13.89**	**TR320H** **TR320NEH**	**23.03** **14.78**	**XTR320** **XTR320NE**	**27.04** **15.40**	**TR420H** **TR420NEH**	**36.40** **23.36**	**XTR420** **XTR420NE**	**42.76** **24.35**
	Bend 92.5° 112.5°	**TR230H** **TR232H**	**32.68** **32.68**	**XTR230** **XTR232**	**35.40** **35.40**	**TR330H** **TR332H**	**35.40** **35.40**	**XTR330** **XTR332**	**37.28** **37.28**	**TR430H** **TR432H**	**51.46** **45.10**	**XTR430** **XTR432**	**54.17** **47.50**
	Branch 92.5° 112.5°	**TR240H** **TR242H**	**56.97** **56.97**	**XTR240** **XTR242**	**62.16** **62.16**	**TR340H** **TR342H**	**59.45** **59.45**	**XTR340** **XTR342**	**64.64** **64.64**	**TR440H** **TR442H**	**81.18** **81.18**	**XTR440** **XTR442**	**88.26** **88.26**
	Shoe	**TR250H**	**32.14**	**XTR250**	**37.51**	**TR350H**	**36.12**	**XTR350**	**42.14**	**TR450H**	**48.98**	**XTR450**	**57.15**
	Access pipe	**TR260H**	**48.54**	**XTR260**	**52.24**	**TR360H**	**50.51**	**XTR360**	**54.41**	**TR460H**	**60.68**	**XTR460**	**65.36**
	Pipe clip	**TR280H**	**9.85**	**XTR280**	**9.85**	**TR380H**	**10.28**	**XTR380**	**10.28**	**TR480H**	**11.63**	**XTR480**	**11.63**
	Offset Fixed 75mm Fixed 100mm Fixed 150mm	**TR2903H** **TR2904H** **TR2906H**	**46.04** **46.97** **49.76**	**XTR2903** **XTR2904** **XTR2906**	**49.10** **50.10** **53.08**	**TR3903H** **TR3904H** **TR3906H**	**52.07** **57.56** **60.15**	**XTR3903** **XTR3904** **XTR3906**	**55.55** **61.39** **64.17**	**TR4903H** **TR4904H** **TR4906H**	**64.10** **70.85** **74.01**	**XTR4903** **XTR4904** **XTR4906**	**68.38** **75.56** **78.95**
	Adjustable eaves offset 2 part adj to 450mm	**TR2945H**	**72.90**	**XTR2945**	**78.49**	**TR3945H**	**84.71**	**XTR3945**	**91.23**	**TR4945H**	**117.24**	**XTR4945**	**126.27**
	2 part adj to 900mm	**TR2990H**	**81.68**	**XTR2990**	**88.51**	**TR3990H**	**96.53**	**XTR3990**	**104.59**	**TR4990H**	**136.84**	**XTR4990**	**148.25**
Non standard Projections Available		Min Offset Achievable 150mm				Min Offset Achievable 200mm				Min Offset Achievable 280mm			

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	Rainwater diverter	63mm Ø 76mm Ø	**TRD25H** **TRD35H**	**48.22** **61.16**	**XTRD25** **XTRD35**	**55.10** **66.66**
	Hopper head	Standard - 63mm Ø Standard - 76mm Ø Standard - 102mm Ø 250x180x180mm tall	**TH101H** **TH102H** **TH103H**	**79.01** **79.01** **79.01**	**XTH101** **XTH102** **XTH103**	**79.01** **79.01** **79.01**
		Fluted - 63mm Ø Fluted - 76mm Ø 285x210x225mm tall	**TH401H** **TH402H**	**109.40** **109.40**	**XTH401** **XTH402**	**109.40** **109.40**
		Ornamental - 63mm Ø Ornamental - 76mm Ø Ornamental - 102mm Ø 410x190x185mm tall	**TH301H** **TH302H** **TH303H**	**253.29** **253.29** **253.29**	**XTH301** **XTH302** **XTH303**	**253.29** **253.29** **253.29**
	Wall spacer Pack of 2	30mm projection	**SC712H**	**6.93**	**XSC712**	**8.16**
Compatible fixing screws		M6 x 70mm hexagonal coach screw - for downpipe and hopper	**SC208H**	**1.49**	**XSC208**	**1.49**
		M6 x 100mm hexagonal coach screw - for wall spacer	**SC209H**	**1.73**	**XSC209**	**1.73**

Description			Code	Price
	Joint sealant	310ml clear	**SC101**	**9.24**

For an estimate email projects@marleyalutec.co.uk or use our online estimating tool at www.marleyalutec.co.uk/calculators Additional sundries required on page 33.

Flushfit Circular Downpipe Prices

To view compatible gutter systems, see page 7

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description		63mm				76mm				102mm			
		Heritage Black		Other Colours		Heritage Black		Other Colours		Heritage Black		Other Colours	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	Downpipe 3m	RE213H	57.07	XRE213	58.88	RE313H	62.28	XRE313	68.58	RE413H	113.01	XRE413	116.41
	Pipe joint spigot	RE220H	9.96	XRE220	11.25	RE320H	11.33	XRE320	12.87	RE420H	11.72	XRE420	12.07
	Socket to spigot connector For connecting straight pipe directly to gutter outlets	RE224H	10.04	XRE224	11.35	RE324H	11.42	XRE324	11.42	RE424H	13.41	XRE424	13.80
	Bend For gutter outlet connection, use Adj. eaves offset 92.5° 112.5°	RE230H RE232H	24.10 24.10	XRE230 XRE232	27.24 27.24	RE330H RE332H	26.20 26.20	XRE330 XRE332	27.87 27.87	RE430H RE432H	37.16 37.16	XRE430 XRE432	38.27 38.27
	Branch 112.5°	RE242H	45.59	XRE242	51.52	RE342H	49.55	XRE342	51.45	RE442H	53.30	XRE442	54.92
	Shoe	RE250H	18.89	XRE250	21.34	RE350H	20.54	XRE350	22.16	RE450H	27.96	XRE450	28.81
	Access pipe	RE260H	58.60	XRE260	66.23	RE360H	63.70	XRE360	65.74	RE460H	63.34	XRE460	65.24
	Pipe clip	RE280H	4.56	XRE280	5.14	RE380H	4.95	XRE380	5.37	RE480H	9.22	XRE480	9.49
	Adjustable eaves offset 2 part adj 90 to 250mm	RE2925H	52.10	XRE2925	58.87	RE3925H	56.61	XRE3925	59.32	RE4925H	75.43	XRE4925	77.68
	2 part adj 90 to 500mm	RE2950H	55.21	XRE2950	62.38	RE3950H	60.00	XRE3950	62.71	RE4950H	83.81	XRE4950	86.32
	2 part adj 90 to 1000mm	RE29100H	61.41	XRE29100	69.39	RE39100H	66.75	XRE39100	69.44	RE49100H	100.57	XRE49100	103.59
	Fixed offset		POA		POA		POA		POA		POA		POA
	Rainwater diverter	TRD25H	48.22	XTRD25	55.10	TRD35H	61.16	XTRD35	66.66				
	Hopper head 250x180x180mm tall Standard	RH113H	64.02	XRH113	64.02	RH111H	64.02	XRH111	64.02	RH114H	64.02	XRH114	64.02
Compatible fixing screws	M6 x 70mm hexagonal coach screw - for downpipe and hopper	SC208H	1.49	XSC208	1.49	SC208H	1.49	XSC208	1.49	SC208H	1.49	XSC208	1.49

Description		Code	Price
	Joint sealant 310ml clear	SC101	9.24

Additional sundries required on page 33. Please state colour when ordering.

To view compatible gutter systems, see page 7

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Description			72x72mm				102x76mm				102x102mm			
			Heritage Black		Other Colours		Heritage Black		Other Colours		Heritage Black		Other Colours	
			Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	Downpipe Available with non eared sockets	3m[3]	**RSR313H**	**141.13**	**XRSR313**	**141.13**	**RSR113H**	**171.40**	**XRSR113**	**171.40**	**RSR413H**	**179.23**	**XRSR413**	**179.23**
	Pipe Socket	[3]	**RSR320H**	**23.83**	**XRSR320**	**23.83**	**RSR120H**	**24.04**	**XRSR120**	**24.04**	**RSR420H**	**28.14**	**XRSR420**	**28.14**
	Bend	92.5° 112.5° 135°	**RSR330H** **RSR332H** **RSR335H**	**74.61** **74.61** **74.61**	**XRSR330** **XRSR332** **XRSR335**	**74.61** **74.61** **74.61**	**RSR130H[4]** **RSR132H[4]** **RSR135H[4]**	**76.51** **76.51** **76.51**	**XRSR130[4]** **XRSR132[4]** **XRSR135[4]**	**76.51** **76.51** **76.51**	**RSR430H** **RSR432H** **RSR435H**	**83.22** **83.22** **83.22**	**XRSR430** **XRSR432** **XRSR435**	**83.22** **83.22** **83.22**
	Branch	92.5° 112.5° 135°	**RSR340H** **RSR342H** **RSR345H**	**121.07** **121.07** **121.07**	**XRSR340** **XRSR342** **XRSR345**	**121.07** **121.07** **121.07**	**RSR140H[4]** **RSR142H[4]** **RSR145H[4]**	**119.90** **119.90** **119.90**	**XRSR140[4]** **XRSR142[4]** **XRSR145[4]**	**119.90** **119.90** **119.90**	**RSR440H** **RSR442H** **RSR445H**	**128.81** **128.81** **128.81**	**XRSR440** **XRSR442** **XRSR445**	**128.81** **128.81** **128.81**
	Shoe	[3]	**RSR350H**	**73.28**	**XRSR350**	**73.28**	**RSR150H**	**74.34**	**XRSR150**	**74.34**	**RSR450H**	**82.67**	**XRSR450**	**82.67**
	Access pipe	[3]	**RSR360H**	**83.92**	**XRSR360**	**83.92**	**RSR160H**	**82.96**	**XRSR160**	**82.96**	**RSR460H**	**88.61**	**XRSR460**	**88.61**
	Pipe clip		**RSR380H**	**13.32**	**XRSR380**	**13.32**	**RSR180H**	**10.75**	**XRSR180**	**10.75**	**RSR480H**	**12.95**	**XRSR480**	**12.95**
	Fixed offset	75mm 100mm 150mm	**RSR3903H** **RSR3904H** **RSR3906H**	**91.65** **92.52** **94.32**	**XRSR3903** **XRSR3904** **XRSR3906**	**91.65** **92.52** **94.32**	**RSR1903H[4]** **RSR1904H[4]** **RSR1906H[4]**	**91.22** **92.37** **94.03**	**XRSR1903[4]** **XRSR1904[4]** **XRSR1906[4]**	**91.22** **92.37** **94.03**	**RSR4903H** **RSR4904H** **RSR4906H**	**109.32** **113.07** **118.37**	**XRSR4903** **XRSR4904** **XRSR4906**	**109.32** **113.07** **118.37**
	Adjustable eaves offset	2 part adj 75 to 450mm 2 part adj 75 to 900mm	**RSR3945H** **RSR3990H**	**129.24** **140.29**	**XRSR3945** **XRSR3990**	**129.24** **140.29**	**RSR1945H[4]** **RSR1990H[4]**	**127.67** **139.99**	**XRSR1945[4]** **XRSR1990[4]**	**127.67** **139.99**	**RSR4945H** **RSR4990H**	**138.99** **154.20**	**XRSR4945** **XRSR4990**	**138.99** **154.20**
	Drain connector (slip socket) Adapts to 110mm Ø drain		**RSR370H**	**76.44**	**XRSR370**	**76.44**	**RSR170H**	**78.82**	**XRSR170**	**78.82**	**RSR470H**	**80.12**	**XRSR470**	**80.12**

Description			Heritage Black		Other Colours	
			Code	Price	Code	Price
	Rainwater diverter		**RSRD35H** **RSRD15H**	**76.19** **85.71**	**XRSRD35** **XRSRD15**	**76.19** **85.71**
	Hopper head	Standard 72x72mm Standard 102x76mm Standard 102x102mm Fluted 72x72mm Ornamental 72x72mm Ornamental 102x76mm Ornamental 102x102mm	**RH104H** **RH105H** **RH106H** **RH404H** **RH304H** **RH305H** **RH306H**	**75.97** **75.97** **75.97** **107.14** **253.29** **253.29** **253.29**	**XRH104** **XRH105** **XRH106** **XRH404** **XRH304** **XRH305** **XRH306**	**75.97** **75.97** **75.97** **107.14** **253.29** **253.29** **253.29**
	Cast spacer bobbin 30mm projection		**SC711H**	**6.93**	**XSC711**	**6.93**
Compatible fixing screws	M6 x 70mm hexagonal coach screw - for downpipe and hopper		**SC208H**	**1.49**	**XSC208**	**1.49**
	M6 x 100mm hexagonal coach screw - for cast spacer bobbin		**SC209H**	**1.73**	**XSC209**	**1.73**

Description			Code	Price
	Joint sealant	310ml clear	**SC101**	**9.24**

[3] If sockets required without ears add suffix NE to part number. [4] Suffix with L or R if different handing/projection is required, otherwise will be supplied as illustrated.
Additional sundries required on page 33.

Flushfit Square & Rectangular Downpipe Prices

To view compatible gutter systems, see page 7

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

Flushfit RJ3 range in Anthracite Grey — 2 Day Delivery Lead Time

Description		72x72mm				102x76mm				102x102mm			
		Heritage Black		Other Colours		Heritage Black		Other Colours		Heritage Black		Other Colours	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	Downpipe 3m	RJ313H	102.46	XRJ313	110.56	RJ113H	146.23	XRJ113	146.23	RJ413H	167.07	XRJ413	167.07
	Pipe joint spigot	RJ320H	11.67	XRJ320	11.67	RJ120H	12.08	XRJ120	12.08	RJ420H	12.57	XRJ420	12.57
	Bend For gutter outlet connection, use Adjustable eaves offset 92.5° 112.5°	RJ330H RJ332H	38.08 38.08	XRJ330 XRJ332	38.08 38.08	RJ130H RJ132H	39.88 39.88	XRJ130 XRJ132	39.88 39.88	RJ430H RJ432H	44.78 44.78	XRJ430 XRJ432	44.78 44.78
	Branch 112.5°	RJ342H	64.71	XRJ342	64.71	RJ142H	70.24	XRJ142	70.24	RJ442H	73.99	XRJ442	73.99
	Shoe	RJ350H	25.95	XRJ350	25.95	RJ150H	29.81	XRJ150	29.81	RJ450H	32.29	XRJ450	32.29
	Access pipe	RJ360H	45.85	XRJ360	45.85	RJ160H	64.78	XRJ160	64.78	RJ460H	74.28	XRJ460	74.28
	Pipe clip	RJ380H	11.61	XRJ380	11.61	RJ180H	12.07	XRJ180	12.07	RJ480H	12.95	XRJ480	12.95
	Adjustable eaves offset 2 part adj 75 to 250mm	RJ3925H	78.20	XRJ3925	78.20	RJ1925H	88.21	XRJ1925	88.21	RJ4925H	95.16	XRJ4925	95.16
	2 part adj 75 to 500mm	RJ3950H	84.94	XRJ3950	84.94	RJ1950H	93.35	XRJ1950	93.35	RJ4950H	105.70	XRJ4950	105.70
	2 part adj 75 to 1000mm	RJ39100H	98.43	XRJ39100	98.43	RJ19100H	112.03	XRJ19100	112.03	RJ49100H	126.85	XRJ49100	126.85
	Fixed offset		POA		POA		POA		POA		POA		POA
	Drain connector (slip socket) Adapts to 110mm Ø drain	RSR370H	76.44	XRSR370	76.44	RSR170H	78.82	XRSR170	78.82	RSR470H	80.12	XRSR470	80.12
	Rainwater diverter	RSRD35H	76.19	XRSRD35	76.19	RSRD15H	85.71	XRSRD15	85.71				
	Hopper head 250x180x 180mm tall 250(w) x 180(d) x 180(h)mm	RH112H	75.97	XRH112	75.97	RH115H	75.97	XRH115	75.97	RH116H	75.97	XRH116	75.97
Compatible fixing screws	M6 x 70mm hexagonal coach screw - for downpipe and hopper	SC208H	1.49	XSC208	1.49								

Description		Code	Price
	Joint sealant 310ml clear	SC101	9.24

Additional sundries required on page 33. Please state colour when ordering.

To view compatible gutter systems, see page 7

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See page 5 for details of our standard colours

Description		72x72mm				102x76mm				102x102mm			
		Heritage Black		Other Colours		Heritage Black		Other Colours		Heritage Black		Other Colours	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	Downpipe 3m	**RVR313H**	**141.22**	**XRVR313**	**141.22**	**RVR113H**	**179.90**	**XRVR113**	**179.90**	**RVR413H**	**184.42**	**XRVR413**	**184.42**
	Pipe joint spigot	**RVR320H**	**11.67**	**XRVR320**	**11.67**	**RVR120H**	**12.08**	**XRVR120**	**12.08**	**RVR420H**	**12.57**	**XRVR420**	**12.57**
	Bend For gutter outlet connection, use Adjustable eaves offset 92.5° 112.5° 135°	**RVR330H** **RVR332H** **RVR335H**	**49.74** **49.74** **49.74**	**XRVR330** **XRVR332** **XRVR335**	**49.74** **49.74** **49.74**	**RVR130H[4]** **RVR132H[4]** **RVR135H[4]**	**52.21** **52.21** **52.21**	**XRVR130[4]** **XRVR132[4]** **XRVR135[4]**	**52.21** **52.21** **52.21**	**RVR430H** **RVR432H** **RVR435H**	**57.90** **57.90** **57.90**	**XRVR430** **XRVR432** **XRVR435**	**57.90** **57.90** **57.90**
	Branch 92.5° 112.5° 135°	**RVR340H** **RVR342H** **RVR345H**	**64.71** **64.71** **64.71**	**XRVR340** **XRVR342** **XRVR345**	**64.71** **64.71** **64.71**	**RVR140H[4]** **RVR142H[4]** **RVR145H[4]**	**82.57** **82.57** **82.57**	**XRVR140[4]** **XRVR142[4]** **XRVR145[4]**	**82.57** **82.57** **82.57**	**RVR440H** **RVR442H** **RVR445H**	**87.11** **87.11** **87.11**	**XRVR440** **XRVR442** **XRVR445**	**87.11** **87.11** **87.11**
	Shoe	**RVR350H**	**37.61**	**XRVR350**	**37.61**	**RVR150H**	**42.14**	**XRVR150**	**42.14**	**RVR450H**	**45.41**	**XRVR450**	**45.41**
	Access pipe	**RVR360H**	**45.85**	**XRVR360**	**45.85**	**RVR160H**	**77.20**	**XRVR160**	**77.20**	**RVR460H**	**87.40**	**XRVR460**	**87.40**
	Fixing plate Includes fixing screws	**RVR380H**	**11.66**	**XRVR380**	**11.66**	**RVR180H**	**12.33**	**XRVR180**	**12.33**	**RVR480H**	**13.12**	**XRVR480**	**13.12**
	Wall offset Complete with fixing plate Provide required dimensions with order		**POA**		**POA**		**POA**		**POA**		**POA**		**POA**
	Adjustable eaves offset Non standard projections available 2 part adj to 450mm 2 part adj to 900mm	**RVR3945H** **RVR3990H**	**142.39** **153.79**	**XRVR3945** **XRVR3945**	**142.39** **153.79**	**RVR1945H** **RVR1990H**	**156.73** **170.50**	**XRVR1945[4]** **XRVR1990[4]**	**156.73** **170.50**	**RVR4945H** **RVR4990H**	**160.08** **176.02**	**XRVR4945[4]** **XRVR4990[4]**	**160.08** **176.02**
		Min offset Achievable 75mm				Min offset Achievable 75mm				Min offset Achievable 100mm			
	Drain connector (slip socket) Adapts to 110mm Ø drain	**RSR370H**	**76.44**	**XRSR370**	**76.44**	**RSR170H**	**78.82**	**XRSR170**	**78.82**	**RSR470H**	**80.12**	**XRSR470**	**80.12**
	Hopper head Standard 250x 180x 180mm tall	**RH112H**	**75.97**	**XRH112**	**75.97**	**RH115H**	**75.97**	**XRH115**	**75.97**	**RH116H**	**75.97**	**XRH116**	**75.97**
Compatible fixing screws	No. 12 x 50mm countersunk - for fixing plate - Mill finish	**SC241**	**0.36**										
	M6 x 70 mm hexagonal coach screw PPC - for hopper	**SC208H**	**1.49**	**XSC208**	**1.49**								

Description		Code	Price
	Joint sealant 310ml clear	**SC101**	**9.24**

[4] Suffix with L or R if different handing/projection is required, otherwise will be supplied as illustrated. Additional sundries required on page 33.

To view compatible gutter systems, see page 7

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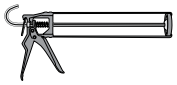
See page 5 for details of our standard colours

Description			Heritage Black	
			Code	Price
	Joint sealant See usage table below	310ml clear	**SC101**	**9.24**
	**Sealant gun**		**SC105**	**16.36**
	Solvent cleaner 1 litre		**SC108**	**30.23**
	Touch up paint 250ml		**SC880**	**37.74**

IMPORTANT: ONLY USE ALUTEC SUNDRIES TO ENSURE SYSTEM LIFE EXPECTANCY

Sealant usage table Approximate number of joints per tube of Alutec sealant

Evolve Half Round 30
Evolve Deepflow 30
Evolve Box 30
Evolve Ogee 30
Evolve 63mm Ø pipe 30

Traditional Half Round 100mm 18
Traditional Half Round 113mm 16
Traditional Half Round 125mm 14
Traditional Victorian Ogee 100mm 14
Traditional Victorian Ogee 113mm 12
Traditional Victorian Ogee 125mm 11
Traditional Moulded Ogee 100mm 11
Traditional Moulded Ogee 125mm 9
Traditional Moulded Ogee 150mm 7

Aligator® Classic Ogee 5
Aligator® Deepflow 6
Aligator® Ogee No. 46 4
Aligator® Boxer 120x80mm 5
Aligator® Boxer 135x100mm 4
Aligator® Boxer 160x100mm 4
Aligator® Giant 3
Tudor 63mm Ø pipe 30
Tudor 76mm Ø pipe 30
Tudor 102mm Ø pipe 30
Traditional 72x72mm pipe 17
Traditional 102x76mm pipe 13
Traditional 102x102mm pipe 12
Flush-fit all pipe sizes 30
Vandal Resistant all pipe sizes 30

310ml Tube of sealant = approximately 6 linear metres of 8mm diameter bead

FASCIA, SOFFIT & COPING

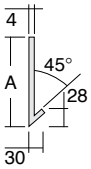
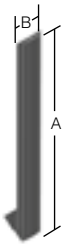
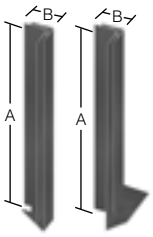
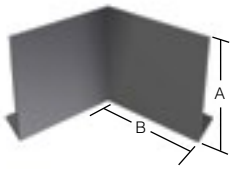
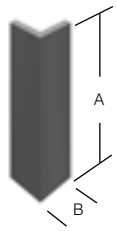
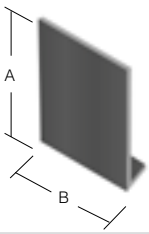
Merchant discount is available on all listed prices

Fascia Type A Prices

evoke

For delivery charges and lead times see page 88

See page 5 for details of our standard colours

	Description - Please supply colour when ordering				Code	Price
	Fascia A - 3m 30mm Return, 45° Non standard sizes available on request[1]		A 120mm 165mm 200mm 250mm 325mm 450mm		**FA1120** **FA1165** **FA1200** **FA1250** **FA1325** **FA1450**	**76.26** **95.32** **106.30** **121.32** **144.58** **181.98**
	**H-Section joint trim** Site cut as required		A 300mm 500mm	B 31mm 31mm	**FA21** **FA22**	**16.07** **17.57**
	**H-Section corner joint trim 90°** Site cut as required	External External Internal Internal	A 300mm 500mm 300mm 500mm	B 31mm 31mm 31mm 31mm	**FA61** **FA62** **FA71** **FA72**	**23.28** **26.06** **23.28** **26.06**
	**Corner angle 90°**		A 120mm 165mm 200mm 250mm 325mm 450mm	B 150mm 150mm 150mm 150mm 150mm 150mm	**POA**	**POA**
	**Universal angle cover trim** Site cut and bend as required. Install using rubber roller or equivalent		A 1000mm	B 31mm	**FA30**	**9.97**
	**Gable box end** Site cut as required		A 350mm 350mm 650mm	B 450mm 600mm 600mm	**FA51** **FA52** **FA53**	**34.02** **39.23** **58.97**
	Corner gable box end				**POA**	**POA**

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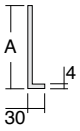
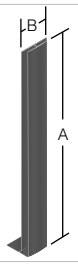
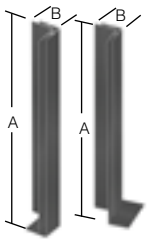
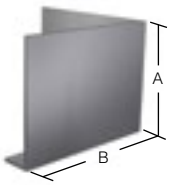
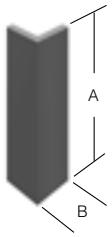
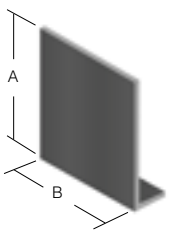
See page 5 for details of our standard colours

Description - Please supply colour when ordering					Code	Price
	Fascia B - 3m 30mm Return, 90° Non standard sies available on request[1]		A 150mm 175mm 210mm 260mm 335mm 460mm		**FB1150** **FB1175** **FB1210** **FB1260** **FB1335** **FB1460**	**84.92** **93.01** **104.33** **120.16** **145.16** **180.70**
	**H-Section joint trim** Site cut as required		A 300mm 500mm	B 31mm 31mm	**FB21** **FB22**	**16.07** **17.57**
	**H-Section corner joint trim 90°** Site cut as required	External External Internal Internal	A 300mm 500mm 300mm 500mm	B 31mm 31mm 31mm 31mm	**FB61** **FB62** **FB71** **FB72**	**23.28** **26.06** **23.28** **26.06**
	**Corner angle 90°**		A 150mm 175mm 210mm 260mm 335mm 460mm	B 150mm 150mm 150mm 150mm 150mm 150mm	**POA**	**POA**
	**Universal angle cover trim** Site cut and bend as required. Install using rubber roller or equivalent		A 1000mm	B 31mm	**FB30**	**9.97**
	**Gable box end** Site cut as required		A 350mm 350mm 650mm	B 450mm 600mm 600mm	**FB51** **FB52** **FB53**	**34.02** **39.23** **58.97**
	Corner gable box end				**POA**	**POA**

Fascia Type C Prices

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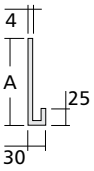
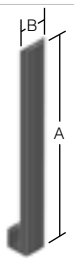
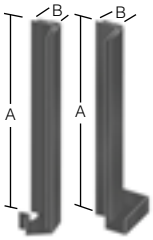
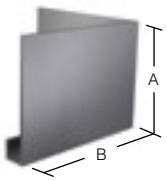
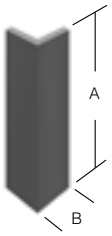
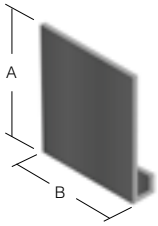
For delivery charges and lead times see page 88

See page 5 for details of our standard colours

	Description - Please supply colour when ordering				Code	Price
	Fascia C - 3m 30x25mm Return Non standard sies available on request[1]		A 150mm 185mm 235mm 310mm 435mm		**FC1150** **FC1185** **FC1235** **FC1310** **FC1435**	**97.05** **109.01** **126.27** **150.43** **185.96**
	**H-Section joint trim** Site cut as required		A 300mm 500mm	B 31mm 31mm	**FC21** **FC22**	**16.07** **17.57**
	**H-Section corner joint trim 90°** Site cut as required	 External External Internal Internal	A 300mm 500mm 300mm 500mm	B 31mm 31mm 31mm 31mm	**FC61** **FC62** **FC71** **FC72**	**23.28** **26.06** **23.28** **26.06**
	**Corner angle 90°**		A 150mm 185mm 235mm 310mm 435mm	B 150mm 150mm 150mm 150mm 150mm	**POA**	**POA**
	**Universal angle cover trim** Site cut and bend as required. Install using rubber roller or equivalent		A 1000mm	B 31mm	**FC30**	**9.97**
	**Gable box end** Site cut as required		A 350mm 350mm 650mm	B 450mm 600mm 600mm	**FC51** **FC52** **FC53**	**35.80** **40.98** **60.73**
	Corner gable box end				**POA**	**POA**

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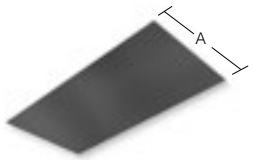
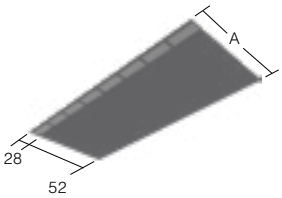
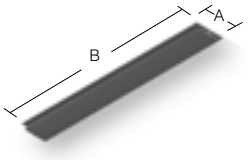
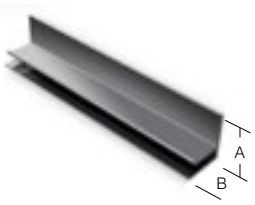
See page 5 for details of our standard colours

Description - Please supply colour when ordering			Code	Price
	**Soffit panel unvented - 3m** Non standard sizes available on request[1]	A 100mm 180mm 240mm 365mm 490mm 740mm	 **FF1100** **FF1180** **FF1240** **FF1365** **FF1490** **FF1740**	 **40.44** **64.47** **83.19** **121.38** **159.12** **230.85**
	**Soffit panel vented - 3m** Slotted to give 25mm continuous ventilation area. Non standard sizes available on request[1]	A 100mm 180mm 240mm 365mm 490mm 740mm	 **FV1100** **FV1180** **FV1240** **FV1365** **FV1490** **FV1740**	 **58.35** **84.28** **105.37** **145.07** **186.83** **270.18**
	**H-section joint trim** Size cut as required	A 1000mm B 31mm	**FF21**	**9.91**
	**Soffit support trim - 3m**	A 30mm B 25mm	**FF30**	**42.00**
Installation sundries				
	Polypin 2 x 30mm - colour matched (100 per bag)		**SC670**	**27.74**
	Poly nail 3 x 50mm - colour matched fixing fascia where gutter will hide fixings (100 per bag)		**SC280**	**46.42**
	No. 10x15 countersunk screw - fixing gutter brackets to fascia (100 per bag)		**SC203**	**22.90**
	No. 8x25mm flangehead screw - alternative to polypin fixing (colour matched)		**SC675**	**0.44**
	Joint sealant - clear		**SC101**	**9.24**
	Joint sealant - colour matched - For use with Fascia, Soffit and Coping Systems only		**SC103**	**19.49**
	Solvent cleaner		**SC108**	**30.23**
	Bonding back plate 70mm x 3m For use with Sikatack™ Panel System - Site cut as required Contact Alutec Technical Services department for further details		**FY40**	**33.26**

Coping Prices

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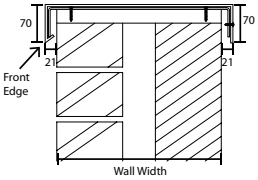
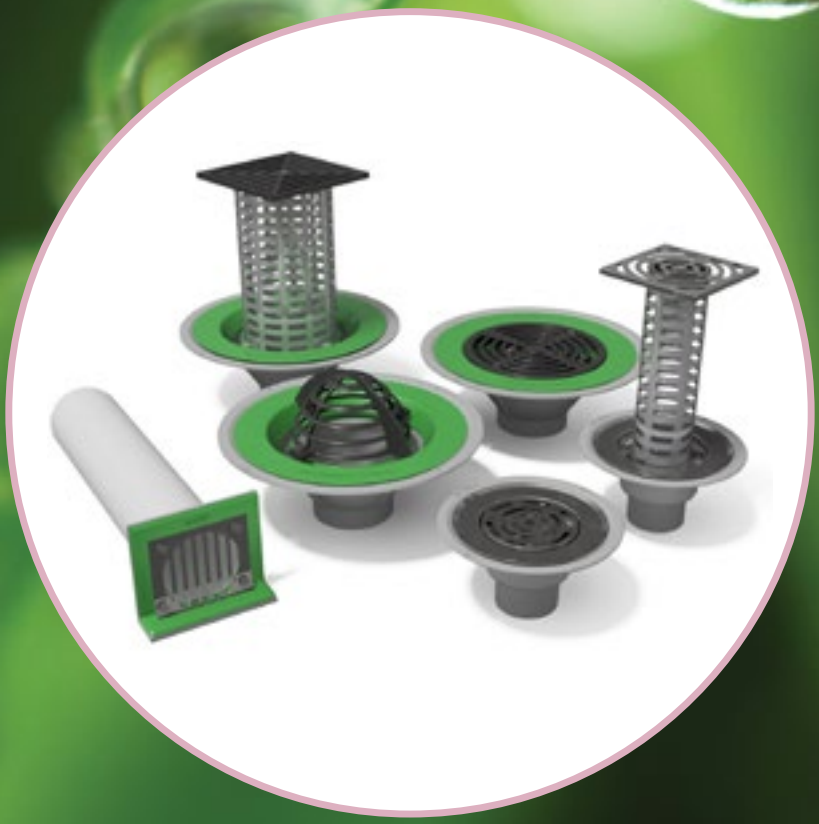
See page 5 for details of our standard colours

Description - Please supply colour when ordering		Code	Price[1]
	Coping - 3m Copings made to order to fit exact wall width 	-	POA
	Angle 90° Copings made to order to fit exact wall width	-	POA
	Stop end Copings made to order to fit exact wall width	-	POA
	T-Junction 90° Copings made to order to fit exact wall width	-	POA
	Stop end upstand Copings made to order to fit exact wall width	-	POA
	Fixing bracket Copings made to order to fit exact wall width	-	POA
Installation sundries	No. 8 x 25mm flangehead screw No. 8 x 15mm colour matched flangehead screw Joint sealant - colour matched	**SC204** **SC250** **SC103**	**0.23** **0.36** **19.49**

[1] Orders below £1,000 at list will incur a £200 set-up fee.

OUTLETS



Merchant discount is available on all listed prices

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Roof outlets

Description		Pipe Connection 82mmØ (OD)		Pipe Connection 110mmØ (OD)		Pipe Connection 160mmØ (OD)	
		Code	Price	Code	Price	Code	Price
	Roof Outlet with Dome Grate Supplied with PVCu pipe connector **SC101** sealant **£9.24** Required to seal the supplied PVCu threaded pipe connector to the underside of an outlet. 1 tube seals approx. 10 outlet joints.	**AR82**	**125.00**	**AR110**	**162.00**	**AR160**	**185.00**
	Roof Outlet with Flat Grate Supplied with PVCu pipe connector **SC101** sealant **£9.24** Required to seal the supplied PVCu threaded pipe connector to the underside of an outlet. 1 tube seals approx. 10 outlet joints.	**AR82F**	**125.00**	**AR110F**	**162.00**	**AR160F**	**185.00**
	Roof Outlet with Extended Grate 300mm height Supplied with PVCu pipe connector **SC101** sealant **£9.24** Required to seal the supplied PVCu threaded pipe connector to the underside of an outlet. 1 tube seals approx. 10 outlet joints.	**AR82TG**	**270.00**	**AR110TG**	**324.00**	**AR160TG**	**351.00**

Description		Code	Price
	Blueroof Restriction Device *Suitable for use with extended grate roof outlets only.	**ARBR**	**POA**
	Refurbishment adaptor Allows 82mmØ connection outlets to push into 110mmØ outlets	**DRH8**	**6.75**

Sundries

Description			Code	Price
	Joint sealant Required to seal the supplied PVCu threaded pipe connector to the underside of an outlet. 1 tube seals approx. 10 outlet joints.	310ml clear	**SC101**	**9.24**

Spares: Roof Outlet			Code	Price
	Roof outlet dome grate - with bolts (2 off)		**ARG1**	**33.92**
	Roof outlet flat grate - with bolts (2 off)		**ARG2**	**45.25**
	Roof outlet terrace grate - with screw (1 off)		**ARTG1**	**45.28**
	Roof outlet extension piece - 300mm height		**ARX1**	**166.00**
	82mmØ Threaded PVCu pipe connector	500mm length	**PTA82**	**35.00**
	110mmØ Threaded PVCu pipe connector	500mm length	**PTA110**	**45.00**
	160mmØ Threaded PVCu pipe connector	500mm length	**PTA160**	**55.00**

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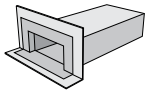
Parapet outlets

Description		Code	Price
	Parapet Outlet 110mmØ Supplied with threaded adaptor **SC101** sealant **£9.24** Required to seal the supplied PVCu threaded pipe connector to the underside of an outlet. 1 tube seals approx. 10 outlet joints.	**AP110**	**175.00**
	**Parapet Chute** *Not suitable for use with single ply membranes 300x150mm 500x150mm	**PC300** **PC500**	**342.12** **420.51**

Spares

Description	Code	Price
Parapet outlet grate	**APG1**	**20.00**

Balcony outlets

Description		Code	Price
	Balcony Outlet with Flat grate Connects to 82mmØ, 110mmØ, 76mmØ and 72x72mm pipe	**ABO1**	**120.00**
	Balcony Outlet with Terrace Grate Assembly Connects to 82mmØ, 110mmØ, 76mmØ and 72x72mm pipe	**ABO1TG**	**230.00**

Spares

Description	Code	Price
Balcony outlet flat grate - with screw (3 off)	**ABG1**	**28.78**
Balcony outlet extension piece	**ABX1**	**110.00**
Balcony outlet Terrace Grate	**ABTG12**	**49.91**
Balcony outlet adaptor with Jubilee clip For connection to 76mmØ and 72x72mm pipe	**ABD12**	**16.40**

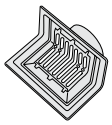
Car park outlets

Description		Code	Price
	Car park outlet **SC101** sealant **£9.24** Required to seal the supplied PVCu threaded pipe connector to the underside of an outlet. 1 tube seals approx. 10 outlet joints.	**AC82** **AC110** **AC160**	**227.00** **250.00** **270.00**

Traditional Balcony and Parapet Outlets

This range is not suitable for use with single-ply membranes

Roof outlets

Description		Actual O.D.	82mm Pipe connection		110mm Pipe connection	
			Code	Price	Code	Price
	Balcony outlet	(Spigot)	DR360	121.32	DR460	135.07
	Shallow balcony outlet	(Spigot)	DR365	119.07		
	Two-way parapet outlet	(Threaded)			DR450	135.07
	Threaded Adapter				DRA4	44.07

PRODUCT	DESCRIPTION	PAGE
ABD12	BALCONY OUTLET ADAPTOR WITH JUBILEE CLIP	43
ABG1	BALCONY OUTLET FLAT GRATE - WITH SCREW (3 OFF)	43
ABO1	BALCONY OUTLET WITH FLAT GRATE	43
ABO1TG	BALCONY OUTLET WITH TERRACE GRATE ASSEMBLED	43
ABX1	BALCONY OUTLET EXTENSION PIECE	43
AC110	CAR PARK OUTLET 110MMØ	43
AC160	CAR PARK OUTLET 160MMØ	43
AC71H	HALF ROUND 100 MM SIDE RAFTER	16
AC72H	EVOLVE HALF ROUND FIXED SIDE RAFTER ARM - HERITAGE BLACK	12
AC72H	TRADITIONAL 113MM & EVOLVE HALF ROUND SIDE RAFTER	16
AC73H	HALF ROUND 125MM SIDE RAFTER	16
AC74H	HALF ROUND 100MM TOP RAFTER	16
AC75H	EVOLVE HALF ROUND FIXED TOP RAFTER ARM - HERITAGE BLACK	12
AC75H	TRADITIONAL 113MM & EVOLVE HALF ROUND TOP RAFTER	16
AC76H	HALF ROUND 125MM TOP RAFTER	16
AC82	CAR PARK OUTLET 82MMØ	43
AC91H	HALF ROUND RISE&FALL BRACKET 100MM	16
AC92H	HALF ROUND RISE&FALL BRACKET 113MM	16
AC93H	EVOLVE HALF ROUND RISE & FALL BRACKET - HERITAGE BLACK	12
AC93H	HALF ROUND RISE&FALL BRACKET 125MM	16
AE73H	EVOLVE DEEPFLOW FIXED SIDE RAFTER ARM - HERITAGE BLACK	13
AE76H	EVOLVE DEEPFLOW FIXED TOP RAFTER ARM - HERITAGE BLACK	13
AE93H	EVOLVE DEEPFLOW RISE & FALL BRACKET - HERITAGE BLACK	13
AM71H	MOULDED 100X75MM SIDE RAFTER ARM	18
AM73H	MOULDED 125X100MM SIDE RAFTER ARM	18
AM74H	MOULDED 100X75MM TOP RAFTER ARM	18
AM75H	MOULDED 150X100MM SIDE RAFTER ARM	18
AM76H	MOULDED 125X100MM TOP RAFTER ARM	18
AM77H	MOULDED 150X100MM TOP RAFTER ARM	18
AM91H	MOULDED 100X75MM R&F BRACKET	18
AM93H	MOULDED 125X100MM R&F BRACKET	18
AM94H	MOULDED 150X100MM R&F BRACKET	18
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AR110F	ROOF OUTLET WITH FLAT GRATE 110MMØ	42
AR110TG	ROOF OUTLET WITH EXTENDED GRATE 110MMØ	42
AR160	ROOF OUTLET WITH DOME GRATE 160MMØ	42
AR160F	ROOF OUTLET WITH FLAT GRATE 160MMØ	42
AR160TG	ROOF OUTLET WITH EXTENDED GRATE 160MMØ	42
AR82	ROOF OUTLET WITH DOME GRATE 82MMØ	42
AR82F	ROOF OUTLET WITH FLAT GRATE 82MMØ	42
AR82TG	ROOF OUTLET WITH EXTENDED GRATE 82MMØ	42
ARBR	BLUEROOF RESTRICTION DEVICE	42
ARG1	ROOF OUTLET DOME GRATE - WITH BOLTS (2 OFF)	42
ARG2	ROOF OUTLET FLAT GRATE - WITH BOLTS (2 OFF)	42
ARTG1	ROOF OUTLET TERRACE GRATE - WITH SCREW (1 OFF)	42
ARX1	ROOF OUTLET EXTENSION PIECE	42
AV71H	VICTORIAN 100MM SIDE RAFTER	17
AV72H	VICTORIAN 113MM SIDE RAFTER	17
AV73H	VICTORIAN 125MM SIDE RAFTER	17
AV74H	VICTORIAN 100MM TOP RAFTER ARM	17
AV75H	VICTORIAN 113MM TOP RAFTER ARM	17
AV76H	VICTORIAN 125MM TOP RAFTER ARM	17
AV91H	VICTORIAN RISE&FALL BRACKET 100MM	17
AV92H	VICTORIAN RISE&FALL BRACKET 113MM	17
AV93H	VICTORIAN RISE&FALL BRACKET 125MM	17
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FA1120	FASCIA PANEL TYPE A 120MM 3M	36
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FA1325	FASCIA PANEL TYPE A 325MM 3M	36
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FA21	H-SECTION JOINT TRIM TYPE A 300MM	36
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FB21	H-SECTION JOINT TRIM TYPE B 300MM	37
FB22	H-SECTION JOINT TRIM TYPE B 500MM	37
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Gutter system list price comparison

Use the table below to estimate the list price per linear metre and maximum flow rate for each Marley Alutec gutter system. The estimated list price is based on an average build and takes into account all components including gutter, angles, fascia brackets and stop ends. These list prices rates are subject to supplying merchant's discount.

	Gutter system	Total system price £ / LM		Maximum flow rate per outlet	
		Heritage Black	Other colours	Capacity l/s	Effective roof area m2
evolve	Half Round	35.84	40.29	1.80	87
	Deepflow	46.03	51.42	4.90	232
	Box	55.03	60.00	7.00	333
	Ogee	63.90	69.52	7.00	333
traditional	Half Round 100mm	46.47	46.47	1.40	66
	Half Round 113mm	43.54	43.54	1.70	80
	Half Round 125mm	52.59	52.59	2.54	120
	Victorian Ogee 100mm	67.58	67.58	108	51
	Victorian Ogee 113mm	85.65	85.65	1.24	59
	Victorian Ogee 125mm	93.05	93.05	1.70	80
	Moulded Ogee 100mm	110.33	110.33	2.25	108
	Moulded Ogee 125mm	100.44	100.44	4.51	214
	Moulded Ogee 150mm	166.00	166.00	5.50	263
aligator	Classic	41.18	54.23	4.13	196
	Deepflow	74.55	74.55	4.40	209
	Ogee No. 46	90.38	90.38	7.60	361
	Boxer 120x80mm	59.44	59.44	4.34	206
	Boxer 135x100mm	83.12	83.12	7.14	340
	Boxer 160x100mm	83.62	83.62	7.41	352
	Giant	89.07	89.07	10.76	512

Downpipe system price comparison

Use the table below to estimate the list price per linear metre for each Marley Alutec downpipe system. The estimated list price is based on an average build and takes into account all components including downpipe, sockets, bends and branches. These list prices rates are subject to supplying merchant's discount.

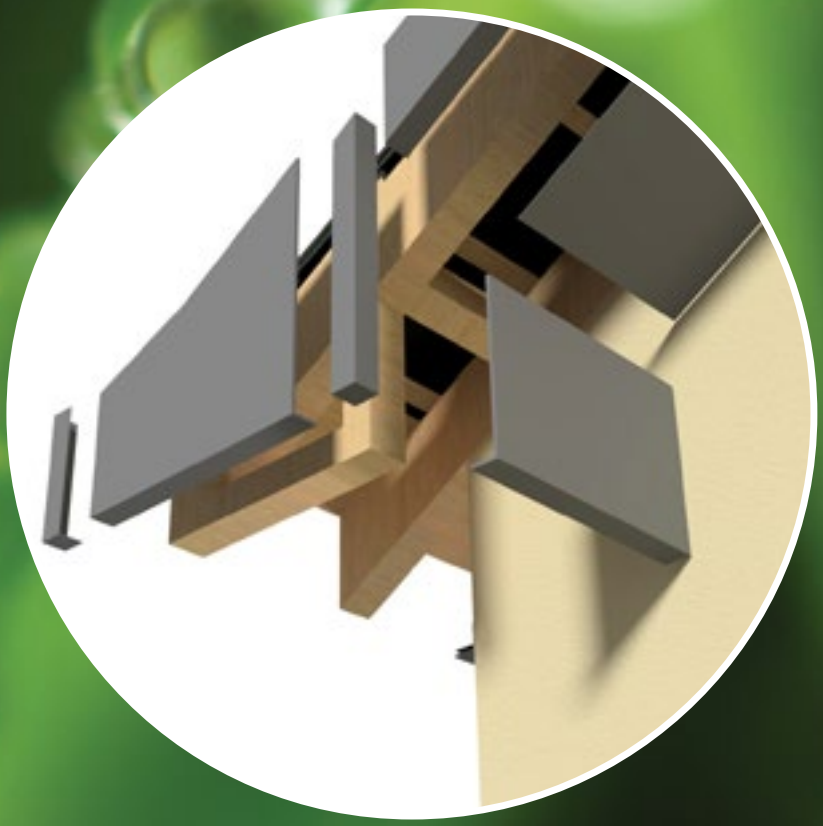
	Downpipe system	Total system price £ / LM	
		Heritage Black	Other colours
Evolve	Circular 63mm	37.07	41.73
Tudor	Circular 63mm	51.24	54.09
	Circular 76mm	57.72	63.32
	Circular 102mm	83.39	91.60
Traditional	Square 72x72mm	95.31	95.31
	Square 102x102mm	116.36	116.36
	Rectangular 102x76mm	100.68	100.68
Flush-fit	Circular 63mm	34.11	36.66
	Circular 76mm	37.21	40.35
	Circular 102mm	61.27	63.10
	Square 72x72mm	60.11	63.29
	Square 102x102mm	74.78	75.07
	Rectangular 102x76mm	88.01	88.09
Vandal Resistant	Square 72x72mm	97.37	97.37
	Square 102x102mm	127.13	127.13
	Rectangular 102x76mm	117.44	117.44

Fascia & Soffit system list price per LM

Use the table below to estimate the list price per linear metre for each size of Evoke Fascia & Soffit system. The estimated list price is based on an average build and takes into account all components including fascia panels and joint trims. These list prices rates are subject to supplying merchant's discount.

System	Size	Total system list price £ / LM
Fascia Type A	120mm	28.43
	165mm	33.40
	200mm	37.05
	250mm	43.83
	325mm	51.14
	450mm	66.62
Fascia Type B	150mm	31.49
	175mm	34.16
	210mm	37.23
	260mm	43.19
	335mm	50.09
	460mm	64.96
Fascia Type C	150mm	35.20
	185mm	39.79
	235mm	45.03
	310mm	53.38
	435mm	68.38
Soffit Unvented	100mm	14.73
	180mm	22.28
	240mm	29.55
	365mm	41.52
	490mm	57.27
	740mm	76.53
Soffit Vented	100mm	19.88
	180mm	28.71
	240mm	35.41
	365mm	47.96
	490mm	65.57
	740mm	87.68

INSTALLATION GUIDES



evolve traditional aligator evoke elite®

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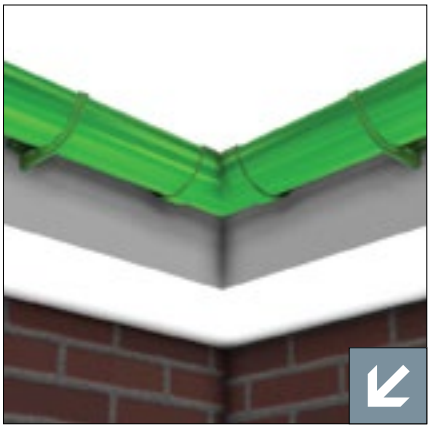
Evolve Half Round 63mm ø Downpipe System Installation

1. Set gutter height by laying a straight batten on the lowest profile of the roof. Place the fascia bracket under the batten so that they are touching and mark the screw holes.

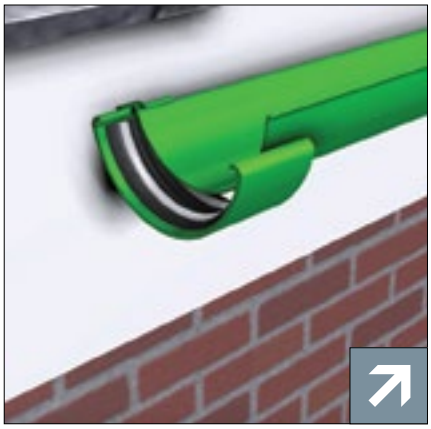
2. Fix fascia brackets with Marley Alutec No. 10 x 32mm roundhead screws, code SC201 or Marley Alutec No. 10 x 15mm countersunk screw, code SC203 if fixing to Marley Alutec aluminium composite fascia. Drilling pilot holes first is recommended.

3. Fix fascia brackets at 1 metre centres. For best flow rate fix to a fall of 1:600 or alternatively nominally level.

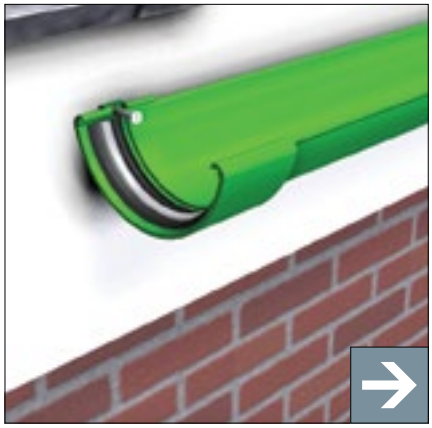


4. Support all corner angles by fixing fascia brackets a maximum of 150mm from each side.

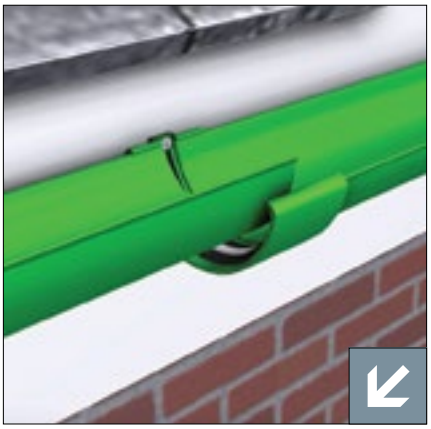
5. Prior to assembling gutter joints, apply sealant to the central grooves to both sides of the ribbed rubber gasket. Use only Marley Alutec sealant, code SC101.



6. Place the gutter into the fascia brackets without clipping the front down. Position the union onto the rear of the gutter then snap the gutter fully into the fascia brackets. Finally apply upward pressure to the union clip from the bottom, whilst pulling the front gutter edge into the union clip.



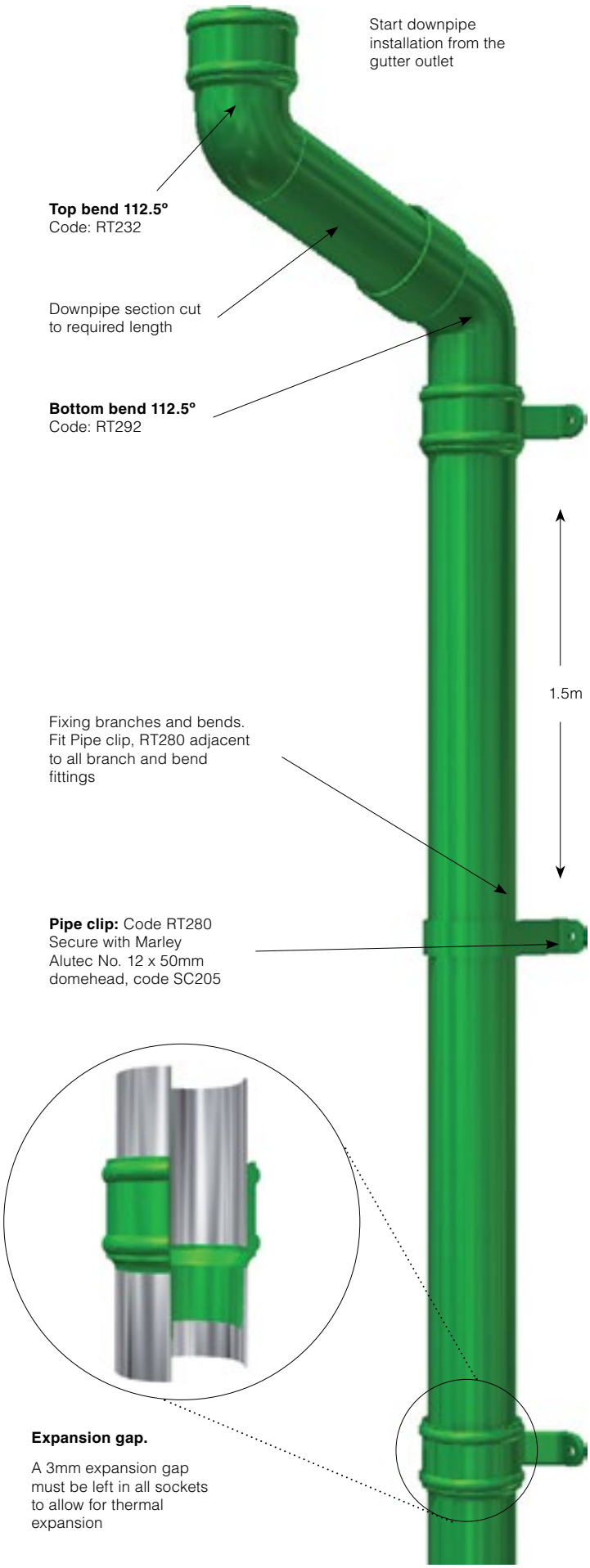
7. Anchor joint union to fascia board using Marley Alutec No. 10 x 32mm roundhead screws SC201 or Marley Alutec No. 10 x 15mm countersunk screw, code SC203 if fixing to Marley Alutec aluminium composite fascia. Drilling a pilot hole first is recommended.



8. Repeat stages 5 & 6 and joint the gutter length to the one previously fixed. Ensure a 3mm expansion gap is left between the gutter ends.

9. Anchor outlets to fascia board using Marley Alutec No. 10 x 32mm roundhead screws SC201 or Marley Alutec No. 10 x x15mm countersunk screw, code SC203 if fixing to Marley Alutec aluminium composite fascia. Drilling a pilot hole first is recommended.

Evolve Half Round 63mm ø Downpipe System Installation



Preparation

Fascia boards should be in good condition, level and in linear alignment (straight). If required, packing shim plates should be fixed behind gutter brackets to achieve good alignment. The fascia should be capable of supporting the gutter when full of water, ice or snow. Where gutter is fixed to PVC-ue cellular fascia board, it is recommended that a timber support framework is installed behind the fascia to provide a straight and secure fixing surface.

Use standard metal work tools to cut or drill aluminium gutters. Angle grinders are not recommended. Where gutter or fittings are polyester powder coated, cut edges should be deburred and repainted with touch up paint, SC880.

Gutter position

Gutters must be installed level or to a fall of 1:600. The gutter should not be positioned at a level which causes rainfall to overshoot the gutter, i.e. too low, or where it is damaged by the high velocity impact of sliding snow, i.e. too high.

Snowloading

Heavy snowfall coupled with highly insulated roofs is causing accumulation of snow on roofs. A sudden thaw will then cause the snow to slide down the roof and rest against the gutters if they are fixed too high. Greater care must be taken to make sure the gutters will not impede sliding snow. However, for the ultimate protection, snow guards must be installed.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and solvent cleaner SC108 to remove all traces of dirt or grease, which may not be visible.

Ensure that the gutter joint sockets/spigots are correctly aligned with each other to ensure free thermal movement within the gutter joint. Only Marley Alutec high performance low modulus sealant SC101 must be used. Use of other sealants may result in early joint failure. Sealant over nine months old must not be used.

Fixing

To ensure the long term durability of aluminium gutter systems, it is vitally important to ensure that the fixing components are equally durable and capable of providing the necessary support. They must therefore be non corrosive, of a compatible material to ensure no electrolytic corrosion occurs and of the appropriate size. Only the recommended austenitic stainless steel screws must be used to fix gutters, whether direct, fascia or rafter bracket fixed.

If fixing to fascia boards made of materials other than wood or Marley Alutec aluminium composites, please call the Marley Alutec Technical Services Department.

Testing

On completion of an installation, blank off all gutter outlets. Fill gutter to overflow level and leave for 5 minutes, then check for leakage. Discharging the flood test water into rainwater pipes will identify any leaks in rainwater pipe joints. Any joints that fail should be taken apart, all sealant cleaned off, then re-sealed and re-tested.

Fixing gutters to rafters

For top or side rafter fixings, use traditional one piece rafter brackets available for all sizes and profiles of gutters.

Traditional top & side rafter arm brackets are supplied to a 45° roof pitch and if required should be site bent to the required roof pitch prior to fixing.

Bracket centres will be dictated by the rafters, which should not exceed 1m. Internal/external gutter corner angles and outlets should be independently supported. It is recommended that a timber bridge between adjacent rafters should be provided to which a rafter bracket can be fixed to fully support the outlet or angle.

Rise & fall drive in brackets

Fix directly into the brickwork/masonry by drilling out an opening in the mortar, inserting a hardwood or plastic spacer, then hammering the spike into the opening. Care should be taken to ensure that the vertical threaded rods are all in line to achieve the correct line of gutter. Bracket centres should not exceed 1m, with additional brackets either side of each outlet and corner angle. Reduce bracket centres in locations where heavy snow loading is anticipated.

General Guidance

Preparation

Fascia boards should be in good condition, level and in linear alignment (straight). If required, packing shim plates should be fixed behind gutter brackets to achieve good alignment. The fascia should be capable of supporting the gutter when full of water, ice or snow. Where gutter is fixed to PVC-ue cellular fascia board, it is recommended that a timber support framework is installed behind the fascia to provide a straight and secure fixing surface.

Use standard metal work tools to cut or drill aluminium gutters. Angle grinders are not recommended. Where gutter or fittings are polyester powder coated, cut edges should be deburred and repainted with touch up paint, SC880.

Gutter position

Gutters must be installed level or to a fall of 1:600. The gutter should not be positioned at a level which causes rainfall to overshoot the gutter, i.e. too low, or where it is damaged by the high velocity impact of sliding snow, i.e. too high.

Snowloading

Heavy snowfall coupled with highly insulated roofs is causing accumulation of snow on roofs. A sudden thaw will then cause the snow to slide down the roof and rest against the gutters if they are fixed too high. Greater care must be taken to make sure the gutters will not impede sliding snow. However, for the ultimate protection, snow guards must be installed.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and solvent cleaner SC108 to remove all traces of dirt or grease, which may not be visible.

Ensure that the gutter joint sockets/spigots are correctly aligned with each other to ensure free thermal movement within the gutter joint.

Only Alutec high performance low modulus sealant SC101 must be used. Use of other sealants may result in early joint failure. Sealant over nine months old must not be used.

Fixing

To ensure the long term durability of aluminium gutter systems, it is vitally important to ensure that the fixing components are equally durable and capable of providing the necessary support. They must therefore be non corrosive, of a compatible material to ensure no electrolytic corrosion occurs and of the appropriate size. Only the recommended austenitic stainless steel screws must be used to fix gutters, whether direct, fascia or rafter bracket fixed.

If fixing to fascia boards made of materials other than wood or Alutec aluminium composites, please call the Alutec Technical Services Department.

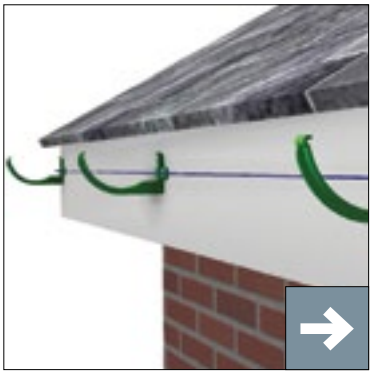
Testing

On completion of an installation, blank off all gutter outlets. Fill gutter to overflow level and leave for 5 minutes, then check for leakage. Discharging the flood test water into rainwater pipes will identify any leaks in rainwater pipe joints. Any joints that fail should be taken apart, all sealant cleaned off, then re-sealed and re-tested.

1. Set gutter height by laying a straight batten on the lowest profile of the roof.

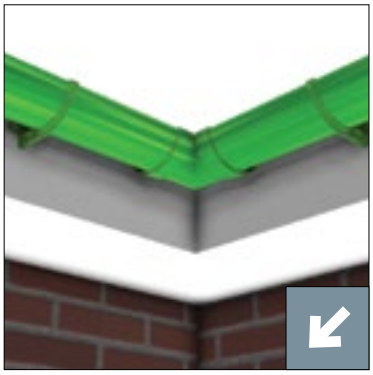
   Place the fascia bracket under the batten so that they are touching and mark the screw holes.

2. Fix fascia brackets with Alutec 32mm x No. 10 roundhead screws, code SC201 or Alutec 15mm x No. 10 countersunk screw, code SC203 if fixing to Alutec aluminium composite fascia. Drilling pilot holes first is recommended.



3. Fix fascia brackets at 1 metre centres.

   For best flow rate fix to a fall of 1:600 or alternatively nominally level.

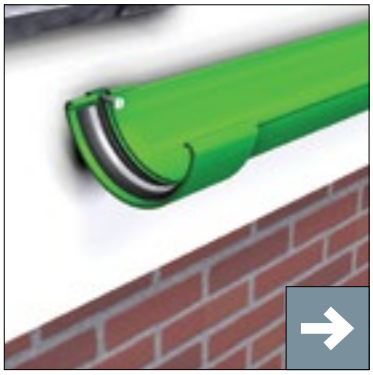


4. Support all corner angles by fixing fascia brackets a maximum of 150mm from each side.

5. Prior to assembling gutter joints, apply sealant to the central grooves to both sides of the ribbed rubber gasket. Use only Alutec sealant, code SC101.

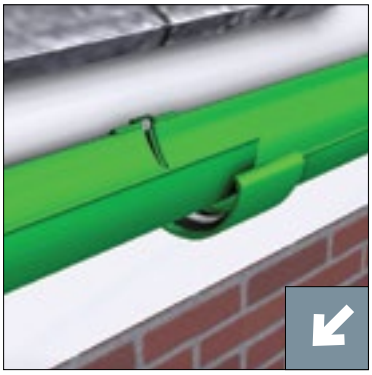
6. Place the gutter into the fascia brackets without clipping the front down. Position the union onto the rear of the gutter then snap the gutter fully into the fascia brackets.

   Finally apply upward pressure to the union clip from the bottom, whilst pulling the front gutter edge into the union clip.



7. Anchor joint union to fascia board using Alutec 32mm x No. 10 roundhead screws SC201 or Alutec 15mm x No. 10 countersunk screw, code SC203 if fixing to Alutec aluminium composite fascia.

   Drilling a pilot hole first is recommended.



8. Repeat stages 5 & 6 and joint the gutter length to the one previously fixed.

   Ensure a 3mm expansion gap is left between the gutter ends.

9. Anchor outlets to fascia board using Alutec 32mm x No. 10 roundhead screws SC201 or Alutec 15mm x No. 10 countersunk screw, code SC203 if fixing to Alutec aluminium composite fascia. Drilling a pilot hole first is recommended.

Fixing gutters to rafters

For top or side rafter fixings, use traditional one piece rafter brackets available for all sizes and profiles of gutters.

Traditional top & side rafter arm brackets are supplied to a 45° roof pitch and if required should be site bent to the required roof pitch prior to fixing.

Bracket centres will be dictated by the rafters, which should not exceed 1m. Internal/external gutter corner angles and outlets should be independently supported. It is recommended that a timber bridge between adjacent rafters should be provided to which a rafter bracket can be fixed to fully support the outlet or angle.

Rise & fall drive in brackets

Fix directly into the brickwork/masonry by drilling out an opening in the mortar, inserting a hardwood or plastic spacer, then hammering the spike into the opening. Care should be taken to ensure that the vertical threaded rods are all in line to achieve the correct line of gutter. Bracket

centres should not exceed 1m, with additional brackets either side of each outlet and corner angle. Reduce bracket centres in locations where heavy snow loading is anticipated.

General Guidance

Preparation

Fascia boards should be in good condition, level and in linear alignment (straight). If required, packing shim plates should be fixed behind gutter brackets to achieve good alignment. The fascia should be capable of supporting the gutter when full of water, ice or snow. Where gutter is fixed to PVC-ue cellular fascia board, it is recommended that a timber support framework is installed behind the fascia to provide a straight and secure fixing surface.

Use standard metal work tools to cut or drill aluminium gutters. Angle grinders are not recommended. Where gutter or fittings are polyester powder coated, cut edges should be deburred and repainted with touch up paint, SC880.

Gutter position

Gutters must be installed level or to a fall of 1:600. The gutter should not be positioned at a level which causes rainfall to overshoot the gutter, i.e. too low, or where it is damaged by the high velocity impact of sliding snow, i.e. too high.

Snowloading

Heavy snowfall coupled with highly insulated roofs is causing accumulation of snow on roofs. A sudden thaw will then cause the snow to slide down the roof and rest against the gutters if they are fixed too high. Greater care must be taken to make sure the gutters will not impede sliding snow. However, for the ultimate protection, snow guards must be installed.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and solvent cleaner SC108 to remove all traces of dirt or grease, which may not be visible.

Ensure that the gutter joint sockets/spigots are correctly aligned with each other to ensure free thermal movement within the gutter joint.

Only Alutec high performance low modulus sealant SC101 must be used. Use of other sealants may result in early joint failure. Sealant over nine months old must not be used.

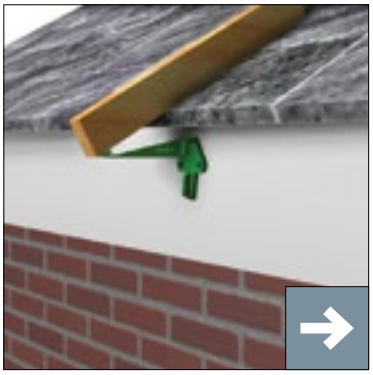
Fixing

To ensure the long term durability of aluminium gutter systems, it is vitally important to ensure that the fixing components are equally durable and capable of providing the necessary support. They must therefore be non corrosive, of a compatible material to ensure no electrolytic corrosion occurs and of the appropriate size. Only the recommended austenitic stainless steel screws must be used to fix gutters, whether direct, fascia or rafter bracket fixed.

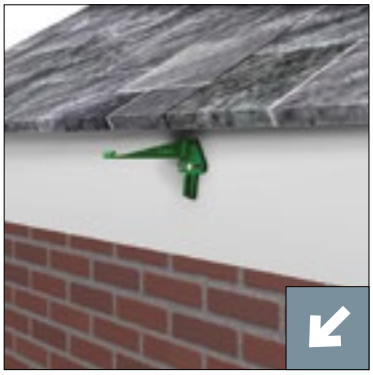
If fixing to fascia boards made of materials other than wood or Alutec aluminium composites, please call the Alutec Technical Services Department.

Testing

On completion of an installation, blank off all gutter outlets. Fill gutter to overflow level and leave for 5 minutes, then check for leakage. Discharging the flood test water into rainwater pipes will identify any leaks in rainwater pipe joints. Any joints that fail should be taken apart, all sealant cleaned off, then re-sealed and re-tested.



1. Set gutter height by laying a straight batten on the lowest profile of the roof. Place the fascia bracket under the batten so that they are touching and mark the screw holes.



2. Fix fascia brackets with Alutec 32mm x No. 10 roundhead screws, code SC201 or Alutec 15mm x No. 10 countersunk screw, code SC203 if fixing to Alutec aluminium composite fascia. Drilling pilot holes first is recommended.

3. Fix fascia brackets at 1 metre centres. For best flow rate fix to a fall of 1:600 or alternatively nominally level.

4. Hook the front edge of the gutter into the front of the fascia brackets.

5. Swing the rear of the gutter upwards and engage into the fascia brackets.

6. Prior to assembling gutter joints, apply sealant to the central grooves. Use only Alutec sealant, code SC101.

7. Push the union from below upwards over the gutter, clipping over the rear first, followed by the front of the gutter. Follow the same fitting process for outlets, angles and stop-ends.

8. Repeat stages 5 & 6 and joint the gutter length to the one previously fixed. Ensure a 3mm expansion gap is left between the gutter ends.

9. Anchor all fittings to fascia board using Alutec 32mm x No. 10 roundhead screws, code SC201 or Alutec 15mm x No. 10 countersunk screw, code SC203 if fixing to Alutec aluminium composite fascia.

   Drilling a pilot hole first is recommended.

General Guidance

Preparation

Fascia boards should be in good condition, level and in linear alignment (straight). If required, packing shim plates should be fixed behind gutter brackets to achieve good alignment. The fascia should be capable of supporting the gutter when full of water, ice or snow. Where gutter is fixed to PVC-ue cellular fascia board, it is recommended that a timber support framework is installed behind the fascia to provide a straight and secure fixing surface.

Use standard metal work tools to cut or drill aluminium gutters. Angle grinders are not recommended. Where gutter or fittings are polyester powder coated, cut edges should be deburred and repainted with touch up paint, SC880.

Gutter position

Gutters must be installed level or to a fall of 1:600. The gutter should not be positioned at a level which causes rainfall to overshoot the gutter, i.e. too low, or where it is damaged by the high velocity impact of sliding snow, i.e. too high.

Snowloading

Heavy snowfall coupled with highly insulated roofs is causing accumulation of snow on roofs. A sudden thaw will then cause the snow to slide down the roof and rest against the gutters if they are fixed too high. Greater care must be taken to make sure the gutters will not impede sliding snow. However, for the ultimate protection, snow guards must be installed.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and solvent cleaner SC108 to remove all traces of dirt or grease, which may not be visible.

Ensure that the gutter joint sockets/spigots are correctly aligned with each other to ensure free thermal movement within the gutter joint.

Only Alutec high performance low modulus sealant SC101 must be used. Use of other sealants may result in early joint failure. Sealant over nine months old must not be used.

Fixing

To ensure the long term durability of aluminium gutter systems, it is vitally important to ensure that the fixing components are equally durable and capable of providing the necessary support.

They must therefore be non corrosive, of a compatible material to ensure no electrolytic corrosion occurs and of the appropriate size.

Only the recommended austenitic stainless steel screws must be used to fix gutters, whether direct, fascia or rafter bracket fixed.

If fixing to fascia boards made of materials other than wood or Alutec aluminium composites, please call the Alutec Technical Services Department.

Testing

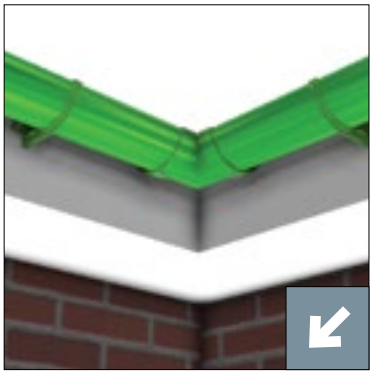
On completion of an installation, blank off all gutter outlets. Fill gutter to overflow level and leave for 5 minutes, then check for leakage. Discharging the flood test water into rainwater pipes will identify any leaks in rainwater pipe joints. Any joints that fail should be taken apart, all sealant cleaned off, then re-sealed and re-tested.

1. Set gutter height by laying a straight batten on the lowest profile of the roof. Place the fascia bracket under the batten so that they are touching and mark the screw holes.

2. Fix fascia brackets with Alutec 32mm x No. 10 roundhead screws, code SC201 or Alutec 15mm x No. 10 countersunk screw, code SC203 if fixing to Alutec aluminium composite fascia. Drilling pilot holes first is recommended.

3. Fix fascia brackets at 915mm centres.

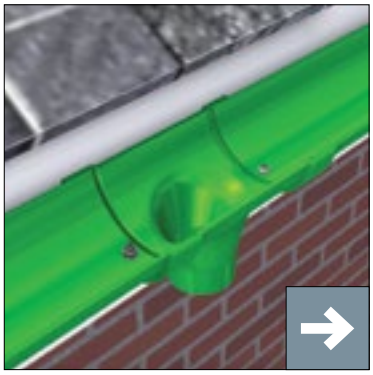
   For best flow rate, fix to a fall of 1:600 or alternatively nominally level.



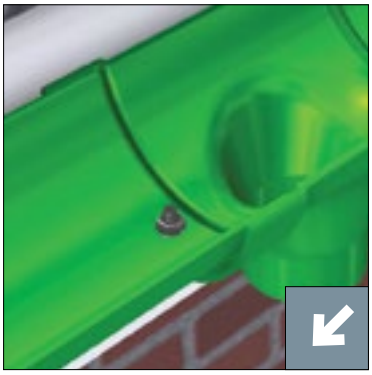
4. Support all corner angles and outlets by fixing fascia brackets a maximum of 150mm from each side.

5. Place gutters into the fascia brackets and press down to engage into fascia brackets. Do not slide the gutter into the fascia brackets, as this may result in the gutter surface being marked.

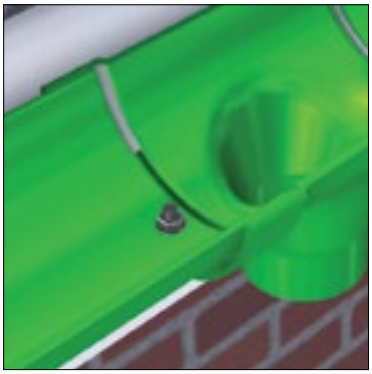
6. Clean all joint surfaces using a clean cloth and Alutec solvent cleaner, code SC108. Ensure all surfaces are dry and then apply two 8mm parallel beads of Alutec sealant, code SC101 to the gutter socket and around the bolt hole.



7. Nuts and washers can be located inside or outside the gutter. Bolt heads outside the gutter will appear neater, but the internally projecting thread will have a minor effect on flow rate performance. Both options are illustrated.



8. Finger tighten nut and bolt only, pull the joint apart sideways to ensure a minimum 3mm expansion gap is achieved. Then tighten one full turn only, with a spanner or screwdriver.



9. Point sealant onto joint gap, adding additional Alutec sealant, code SC101 if required. Clean off any excess with Alutec solvent cleaner, code SC108.

Fixing gutters to rafters

For top or side rafter fixings, use traditional one piece rafter brackets available for all sizes and profiles of gutters, or alternatively the adjustable rafter brackets; side (AC78) or (AC77) top and fix the standard fascia gutter brackets with the bolts provided.

Bracket centres will be dictated by the rafters which should not exceed 915mm. Internal/external gutter corner angles and outlets should be independently supported. It is recommended that a timber bridge between adjacent rafters should be provided to which a rafter bracket can be fixed to fully support the outlet or angle.

Rise & fall drive in brackets

Fix directly into the brickwork/masonry by drilling out an opening in the mortar, inserting a hardwood or plastic spacer, then hammering the spike into the opening. Care should be taken to ensure that the vertical threaded rods are all in line to achieve the correct line of gutter. Bracket centres should not exceed 915mm, with additional brackets either side of each outlet and corner angle. Reduce bracket centres in locations where heavy snow loading is anticipated.

Direct fixing

Victorian Ogee. Screw to fascia through slots provided to the rear of the gutter, with screws, SC201 and backing washers, SC521.

Moulded Ogee. Screw to fascia through slots provided to the rear of the gutter, with direct fix spacer brackets, GM581, using screws, SC201 and backing washers, SC521.

General Guidance

Preparation

Fascia boards should be in good condition, level and in linear alignment (straight). If required, packing shim plates should be fixed behind gutter brackets to achieve good alignment.

The fascia should be capable of supporting the gutter when full of water, ice or snow.

Where gutter is fixed to PVC-ue cellular fascia board, it is recommended that a timber support framework is installed behind the fascia to provide a straight and secure fixing surface.

Use standard metal work tools to cut or drill aluminium gutters. Angle grinders are not recommended. Where gutter or fittings are polyester powder coated, cut edges should be deburred and repainted with touch up paint, SC880.

Gutter position

Gutters must be installed level or to a fall of 1:600. The gutter should not be positioned at a level which causes rainfall to overshoot the gutter, i.e. too low, or where it is damaged by the high velocity impact of sliding snow, i.e. too high.

Snowloading

Heavy snowfall coupled with highly insulated roofs is causing accumulation of snow on roofs.

A sudden thaw will then cause the snow to slide down the roof and rest against the gutters if they are fixed too high. Greater care must be taken to make sure the gutters will not impede sliding snow. However, for the ultimate protection, snow guards must be installed.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and solvent cleaner SC108 to remove all traces of dirt or grease, which may not be visible.

Ensure that the gutter joint sockets/spigots are correctly aligned with each other to ensure free thermal movement within the gutter joint.

Only Alutec high performance low modulus sealant SC101 must be used. Use of other sealants may result in early joint failure. Sealant over nine months old must not be used.

Fixing

To ensure the long term durability of aluminium gutter systems, it is vitally important to ensure that the fixing components are equally durable and capable of providing the necessary support.

They must therefore be non corrosive, of a compatible material to ensure no electrolytic corrosion occurs and of the appropriate size.

Only the recommended austenitic stainless steel screws must be used to fix gutters, whether direct, fascia or rafter bracket fixed.

If fixing to fascia boards made of materials other than wood or Alutec aluminium composites, please call the Alutec Technical Services Department.

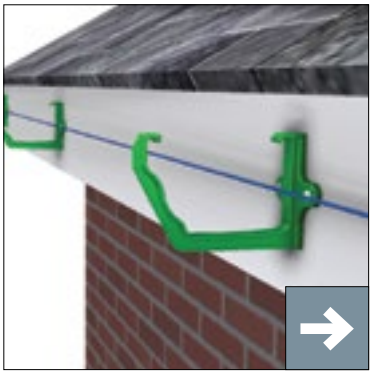
Testing

On completion of an installation, blank off all gutter outlets. Fill gutter to overflow level and leave for 5 minutes, then check for leakage. Discharging the flood test water into rainwater pipes will identify any leaks in rainwater pipe joints. Any joints that fail should be taken apart, all sealant cleaned off, then re-sealed and re-tested.

1. Set gutter height by laying a straight batten on the lowest profile of the roof.

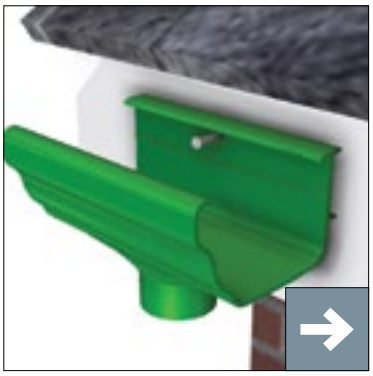
   Place the fascia bracket under the batten so that they are touching and mark the screw holes.

2. Fix fascia brackets with Alutec 32mm x No. 10 roundhead screws, code SC201 or Alutec 15mm x No. 10 countersunk screw, code SC203 if fixing to Alutec aluminium composite fascia. Drilling pilot holes first is recommended.

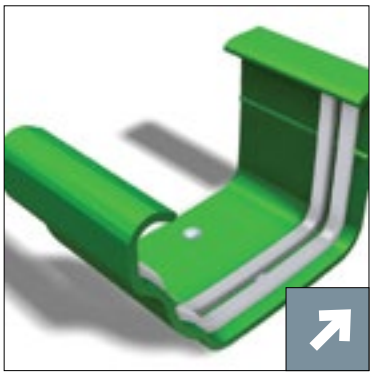


3. Fix fascia brackets at 1m centres. For best flow rate, fix to a fall of 1:600 or alternatively nominally level.

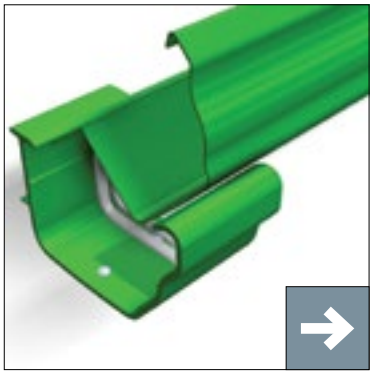
4. Fix all gutter angles with 2 no. Alutec 32mm x No. 10 countersunk screw, code SC202 or Alutec 15mm x No. 10 countersunk screw, code SC203 if fixing to Alutec aluminium composite fascia.



5. Position outlets and fix using Alutec 32mm x No. 10 countersunk screw, code SC202 or Alutec 15mm x No. 10 countersunk screw, code SC203 if fixing to Alutec aluminium composite fascia.



6. Ensure the factory fitted rubber compression spacers are attached to the inside of the union. Clean all joint surfaces using a clean cloth and Alutec solvent cleaner, code SC108. Ensure all surfaces are dry and then apply two 8mm parallel beads of Alutec sealant, code SC101 to each side of the union.



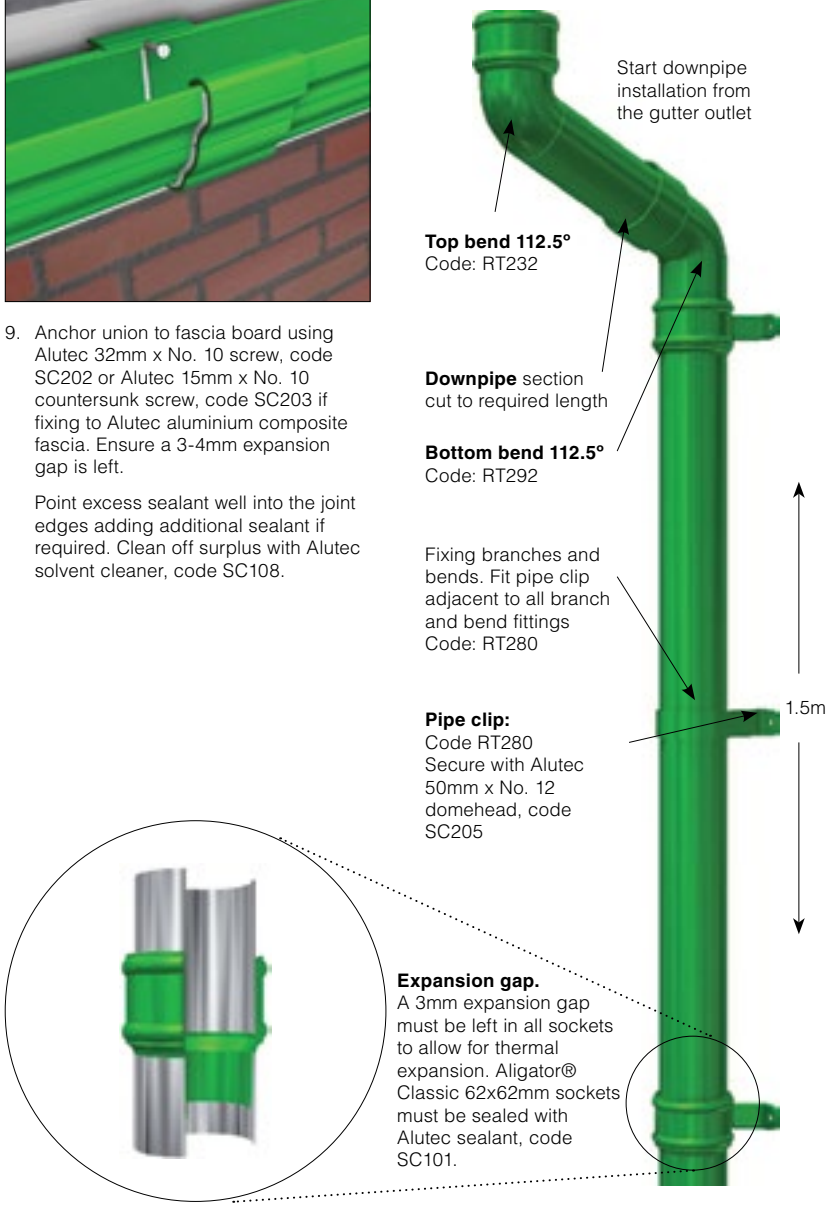
7. Fit union to end of gutter as illustrated.

8. Fit gutter into fascia brackets by inserting the rear upstand, then snapping down the front. Repeat steps 6, 7 & 8.

9. Anchor union to fascia board using Alutec 32mm x No. 10 screw, code SC202 or Alutec 15mm x No. 10 countersunk screw, code SC203 if fixing to Alutec aluminium composite fascia. Ensure a 3-4mm expansion gap is left.

   Point excess sealant well into the joint edges adding additional sealant if required. Clean off surplus with Alutec solvent cleaner, code SC108.

Installation of Aligator® 63mm Ø and 62x62mm downpipe



General Guidance

Preparation

Fascia boards should be in good condition, level and in linear alignment (straight). If required, packing shim plates should be fixed behind gutter brackets to achieve good alignment.

The fascia should be capable of supporting the gutter when full of water, ice or snow. Where gutter is fixed to PVC-ue cellular fascia board, it is recommended that a timber support framework is installed behind the fascia to provide a straight and secure fixing surface.

Use standard metal work tools to cut or drill aluminium gutters. Angle grinders are not recommended. Where gutter or fittings are polyester powder coated, cut edges should be deburred and repainted with touch up paint, SC880.

Gutter position

Gutters must be installed level or to a fall of 1:600. The gutter should not be positioned at a level which causes rainfall to overshoot the gutter, i.e. too low, or where it is damaged by the high velocity impact of sliding snow, i.e. too high.

Snowloading

Heavy snowfall coupled with highly insulated roofs is causing accumulation of snow on roofs. A sudden thaw will then cause the snow to slide down the roof and rest against the gutters if they are fixed too high. Greater care must be taken to make sure the gutters will not impede sliding snow. However, for the ultimate protection, snow guards must be installed.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and solvent cleaner SC108 to remove all traces of dirt or grease, which may not be visible.

Ensure that the gutter joint sockets/spigots are correctly aligned with each other to ensure free thermal movement within the gutter joint.

Only Alutec high performance low modulus sealant SC101 must be used. Use of other sealants may result in early joint failure. Sealant over nine months old must not be used.

Fixing

To ensure the long term durability of aluminium gutter systems, it is vitally important to ensure that the fixing components are equally durable and capable of providing the necessary support. They must therefore be non corrosive, of a compatible material to ensure no electrolytic corrosion occurs and of the appropriate size.

Only the recommended austenitic stainless steel screws must be used to fix gutters, whether direct, fascia or rafter bracket fixed. If fixing to fascia boards made of materials other than wood or Alutec aluminium composites, please call the Alutec Technical Services Department.

Testing

On completion of an installation, blank off all gutter outlets. Fill gutter to overflow level and leave for 5 minutes, then check for leakage. Discharging the flood test water into rainwater pipes will identify any leaks in rainwater pipe joints. Any joints that fail should be taken apart, all sealant cleaned off, then re-sealed and re-tested.

1. Set gutter height by laying a straight batten on the lowest profile of the roof.

   Place the gutter outlet under the batten so that they are touching and mark the screw holes.

2. Fix fascia brackets with Alutec 32mm x No. 10 roundhead screws, code SC201 or Alutec 15mm x No. 10 countersunk screw, code SC203 if fixing to Alutec aluminium composite fascia. Insert screw into lower slot and adjust to the string line.

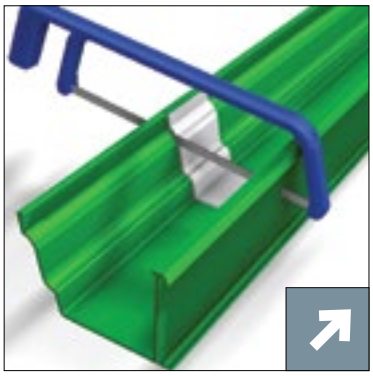
   Drilling pilot holes first is recommended.

3. Fix fascia brackets at 750mm centres.

   For best flow rate, fix to a fall of 1:600 or alternatively nominally level.

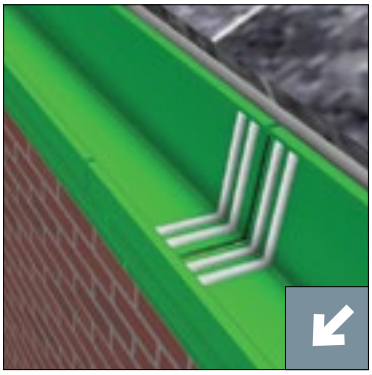
4. Fix an additional fascia bracket centrally to one side of each angle and centrally to each outlet.

5. Check fascia board alignment; if required, shim out brackets using appropriate shim plates. Deepflow: SC380, Ogee No. 46, Boxer 135x100mm and Boxer 160x100mm: SC381, Boxer 120x80mm: SC382.



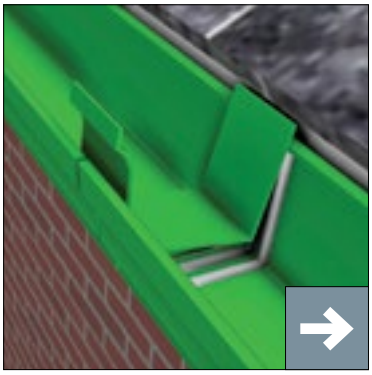
6. To achieve a neat cut through the gutter, place a union into the gutter and use as a cutting guide.

7. Hook the rear of the gutter over the top of the fascia brackets and then swing down to secure into the base of the fascia brackets.

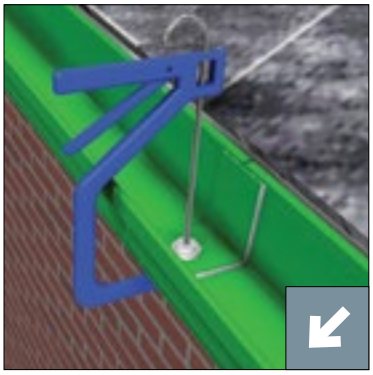


8. Clean all joint surfaces using a clean cloth and Alutec solvent cleaner, code SC108. Ensure all surfaces are dry and then apply two 8mm parallel beads of

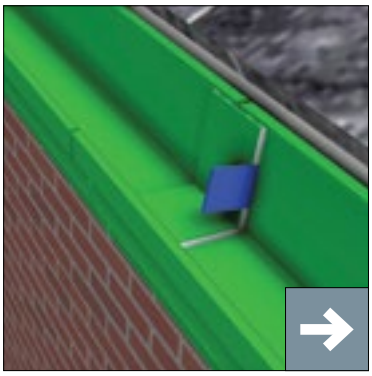
   Alutec sealant, code SC101 to each gutter end.



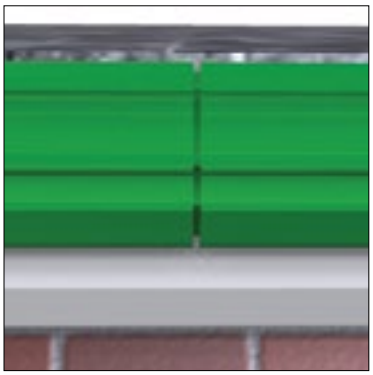
9. Check that the factory fitted rubber compression spacers are fitted to the underside of the unions. Insert union, taking care not to remove sealant from the vertical faces.



10. Secure union into gutter by engaging into the rear upstand and then the front using Alutec gutter compression tool, code SC104.



11. Point excess sealant well into the joint edges adding additional sealant if required.



12. Clean off any excess sealant to visible surfaces using Alutec solvent cleaner, code SC108 and ensure that all joints have a 3-4mm expansion gap.

General Guidance

Preparation

Fascia boards should be in good condition, level and in linear alignment (straight). If required, packing shim plates should be fixed behind gutter brackets to achieve good alignment. The fascia should be capable of supporting the gutter when full of water, ice or snow.

Where gutter is fixed to PVC-ue cellular fascia board, it is recommended that a timber support framework is installed behind the fascia to provide a straight and secure fixing surface.

Use standard metal work tools to cut or drill aluminium gutters. Angle grinders are not recommended. Where gutter or fittings are polyester powder coated, cut edges should be deburred and repainted with touch up paint, SC880.

Gutter position

Gutters must be installed level or to a fall of 1:600. The gutter should not be positioned at a level which causes rainfall to overshoot the gutter, i.e. too low, or where it is damaged by the high velocity impact of sliding snow, i.e. too high.

Snowloading

Heavy snowfall coupled with highly insulated roofs is causing accumulation of snow on roofs. A sudden thaw will then cause the snow to slide down the roof and rest against the gutters if they are fixed too high. Greater care must be taken to make sure the gutters will not impede sliding snow. However, for the ultimate protection, snow guards must be installed.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and solvent cleaner SC108 to remove all traces of dirt or grease, which may not be visible.

Ensure that the gutter joint sockets/spigots are correctly aligned with each other to ensure free thermal movement within the gutter joint.

Only Alutec high performance low modulus sealant SC101 must be used. Use of other sealants may result in early joint failure. Sealant over nine months old must not be used.

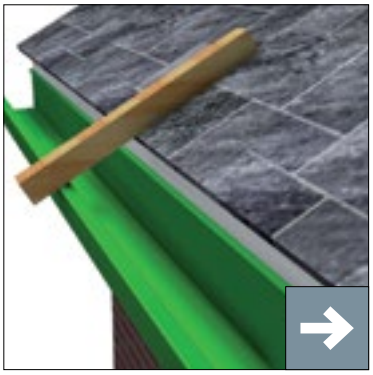
Fixing

To ensure the long term durability of aluminium gutter systems, it is vitally important to ensure that the fixing components are equally durable and capable of providing the necessary support. They must therefore be non corrosive, of a compatible material to ensure no electrolytic corrosion occurs and of the appropriate size. Only the recommended austenitic stainless steel screws must be used to fix gutters, whether direct, fascia or rafter bracket fixed.

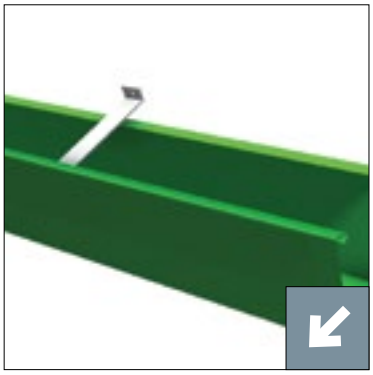
If fixing to fascia boards made of materials other than wood or Alutec aluminium composites, please call the Alutec Technical Services Department.

Testing

On completion of an installation, blank off all gutter outlets. Fill gutter to ¾ full and leave for 5 minutes, then check for leakage. Discharging the flood test water into rainwater pipes will identify any leaks in rainwater pipe joints. Any joints that fail should be taken apart, all sealant cleaned off, then re-sealed and re-tested.

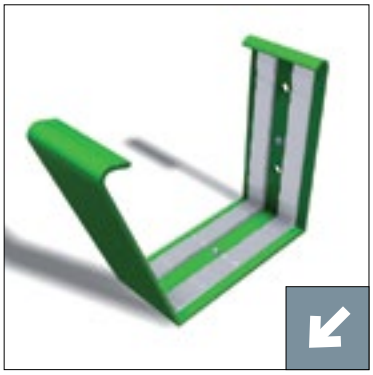


1. Set gutter height by laying a straight batten on the lowest profile of the roof. Place the gutter under the batten so that they are touching and mark the top lip. Use a chalk line or equivalent to set level as a reference for fixing gutters.

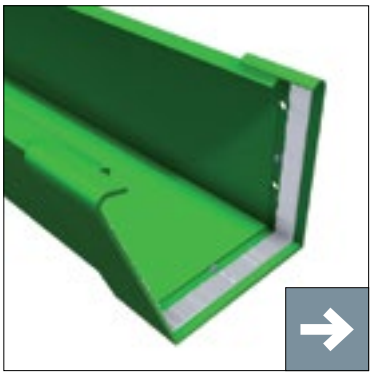


2. Secure stiffener brackets into the top front recess of the gutter in line with the pre-drilled holes at 750mm centres.

3. Clean all jointing surfaces with a clean cloth and Alutec solvent cleaner, code SC108.

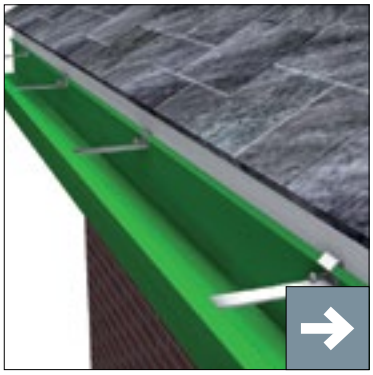


4. Check that factory fitted rubber compression spacers are fitted, then apply two 8mm parallel beads of Alutec sealant, code SC101 to both sides of the union.

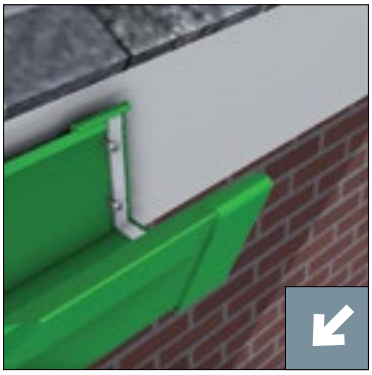


5. Fit the union to the end of the gutter by placing it onto the rear gutter edge first, bend in slightly the front face of the gutter and clip the union over the gutter's front edge.

6. Hook rear spacer assemblies over rear upstand of gutter in line with pre-drilled holes and stiffener brackets.



7. Fix the gutter to the fascia through the stiffener bracket fixing holes using Alutec 50mm x No. 12 screw, code SC231 and Alutec washer, code SC521.



8. Anchor the unions and angles to the fascia using Alutec 32mm x No. 10 screw, code SC202.

9. Repeat steps 2, 3, 4, 5, & 6. Clip next gutter section into place, ensure a 3-4mm expansion gap and then fix gutter as described in step 7.

10. Add additional sealant if required and point any excess sealant well into the expansion gap. Dress sealant level with faces of gutter.

11. Fit patch outlet by cutting the appropriate size hole in-situ or prior to gutter fixing. Place patch outlet on the external face of the gutter, mark and drill four 6mm bolt holes. Apply Alutec sealant, code SC101 to joint faces and fix with the four supplied Alutec M6 aluminium bolts, nuts and washers, codes SC502, SC511 & SC521.

12. Clean off any excess sealant to visible surfaces using Alutec solvent cleaner, code SC108.

Traditional Top and Side Rafter Arm Installation Guide

Bending to correct roof angle

Rafter arms are manufactured to suit a roof pitch of 30°. If the site roof pitch is different to this angle the rafter arms will need to be site bent in a similar fashion to the illustration shown above. Do not attempt to install the rafter arms and bend from the formed cradle as this may deform the shape of the bracket.

Rafter arm spacing

Rafter arms must not exceed 915mm centres.

Pilot drill all screw holes prior to inserting 30xNo10 compatible s/steel screw, code SC201.

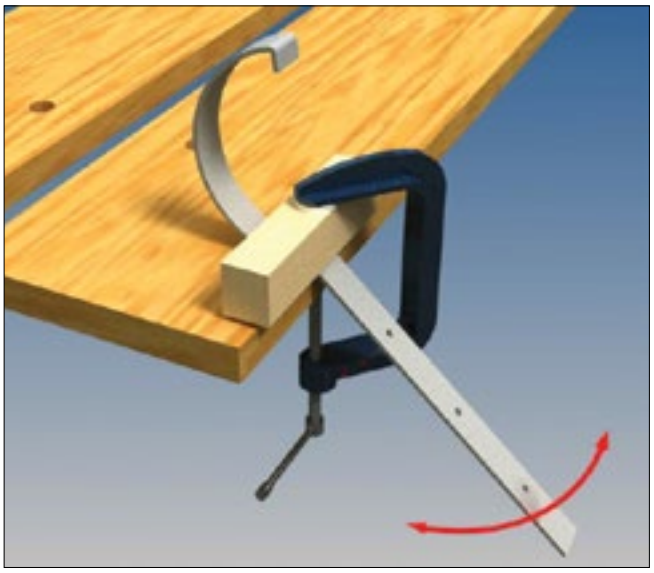
For best flow rate, fix to a fall of 1:600 or alternatively nominally level.

Securing

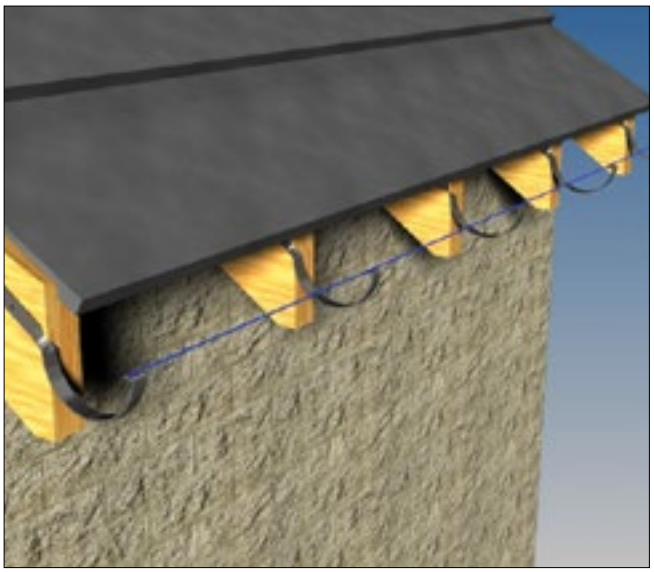
Apply a small bead of Alutec sealant, code SC101 to the inside face of the rafter arms and place gutter into cradle. The sealant will act as a retaining adhesive.

For areas susceptible to high winds, it is advised that gutters are secured to the rafter arms at every second bracket with a stainless steel self tapping screw.

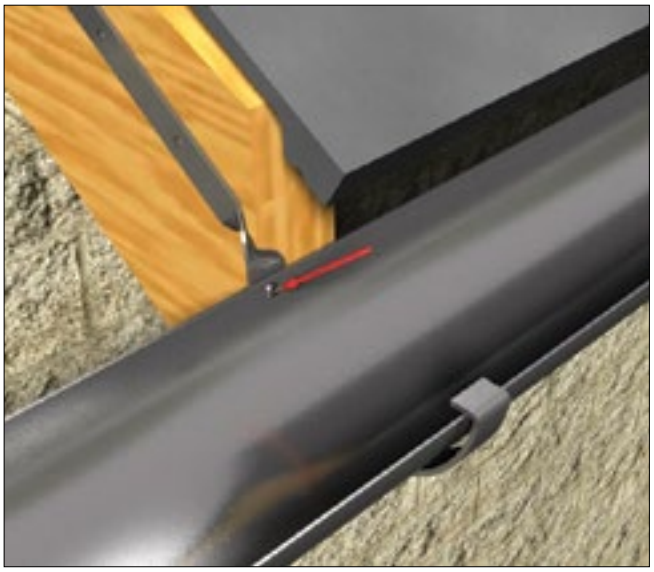
Bending to correct roof angle



Rafter arm spacing



Securing



Gutter outlet / Hopper connection

Fixing

Drain Connection

Gutter outlet / Hopper connection

Connection to the gutter outlet and or hopper is made via a pipe socket. Pipe sockets are supplied with all offsets. Bespoke offsets can be made to order.

Fixing

For fixing to masonry via the cast sockets, use Alutec No. 16 x 70mm hex insert domehead, code SC208 with appropriate wall plugs. Intermediate pipe clips are not required. However, additional pipe clips must be fitted adjacent to inline bends and branches.

Downpipes can be spaced out a further 30mm from the wall by using Alutec Wall spacer, code SC712 with Alutec No. 16 x 100mm hex insert domehead, code SC209 with appropriate wall plugs.

If fixing to a non masonry background, please call Alutec Technical Services Department for advice.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and Alutec solvent cleaner, code SC108 to remove all traces of dirt or grease, which may not be visible.

All pipe joints, including connection to the gutter outlet, must be sealed with Alutec sealant, code SC101. Ensure to allow a 3-4mm expansion gap between pipe lengths.

Pipe off-cuts can be used by fitting a pipe socket into a square cut end of pipe.

Drain Connection

Unless a shoe is used to terminate the pipe and discharge over an open gully, drain connections should preferably be made using the appropriate adaptor by the drainpipe manufacturer, e.g. connect to vitreous clay or PVCu drainage pipes with a universal EPDM rubber adaptor. For connection to cast iron drainage use a proprietary cast iron step coupling.

Testing

It is good practice to water test the downpipes after installation. If connected to a gutter system, the discharging of flood test water from the gutter should identify any leaks within the downpipe system. For downpipes connected to hoppers or flat roof outlets, discharging water at the top with a hose pipe for a period of 5 minutes under normal mains pressure should suffice. Any leaking joints should be taken apart and re-sealed and re-tested.

Lightning conductors

Under no circumstances should rainwater downpipes be used as a lightning conductor to earth. If pipes are to be bonded to a lightning conductor system, the specialist installer must use an electrolytically compatible external bonding strap and not drill and bolt through the pipe wall.

Gutter outlet / Hopper connection

Connection to the gutter outlet and or hopper is made via a pipe socket. Pipe sockets are supplied with all offsets. Bespoke offsets can be made to order.

Fixing

Traditional downpipes with eared cast sockets
For fixing to masonry via the cast sockets, use Alutec No. 16 x 70mm hex insert domehead, code SC208 with appropriate wall plugs. When fixed in this way, intermediate pipe clips are not required. However, additional pipe clips must be fitted adjacent to inline bends and branches.

Traditional downpipes with non eared cast sockets
For fixing to masonry, use the standard pipe clips and fix with Alutec No. 16 x 70mm hex insert domehead, code SC208 with appropriate wall plugs. One clip to be located directly under the pipe socket and a further clip 1.5 metres below. Additional pipe clips must be fitted adjacent to inline bends and branches.

Additional spacing from wall

Downpipes can be spaced out a further 30mm from the wall by using Alutec cast spacer bobbins with No. 16 x 100mm hex insert domehead, code SC209 with appropriate wall plugs.

If fixing to a non masonry background, please call Alutec Technical Services Department for advice.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and Alutec solvent cleaner, code SC108 to remove all traces of dirt or grease, which may not be visible.

All joints to pipes with cast sockets must be sealed, including at the gutter outlet with Alutec sealant, code SC101. Access to seal the rear of the socket can be made easier by attaching a flexible piece of tube to the end of the sealant gun nozzle. Ensure to allow for a 3-4mm expansion gap between pipe lengths.

Pipe off cuts can be utilised by fitting a pipe socket to a square cut end of pipe. Ensure that a bead of Alutec sealant, code SC101 is placed within the internal recess of the pipe socket, prior to driving the socket onto the end of the pipe with a rubber/wooden mallet.

Drain Connection

Unless a shoe is used to terminate the pipe and discharge over an open gully, drain connections should preferably be made using the appropriate size Alutec square to round drain connector. The adaptor push-fits inside a 110mm Ø ring sealed drain socket. The deep square connection socket allows for an insert and lift slip connection of the bottom pipe between two fixed points.

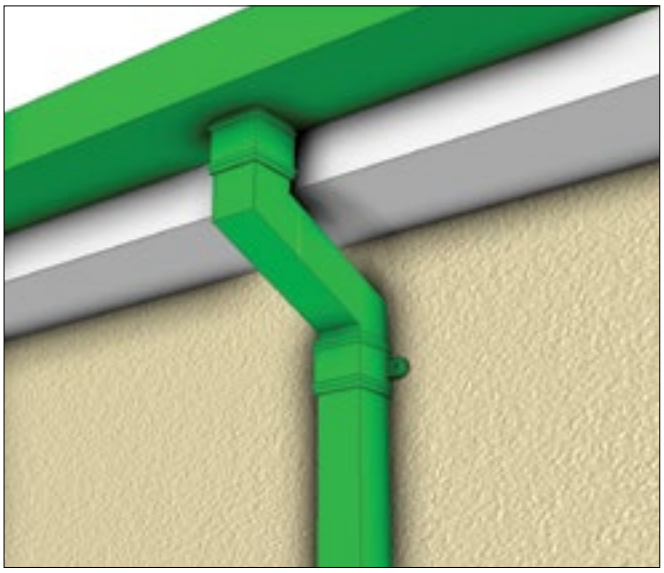
Testing

It is good practice to water test the downpipes after installation. If connected to a gutter system the discharging of flood test water from the gutter should identify any leaks within the downpipe system. For downpipes connected to hoppers or flat roof outlets, discharging water at the top with a hose pipe for a period of 5 minutes under normal mains pressure should suffice. Any leaking joints should be taken apart and re-sealed and re-tested.

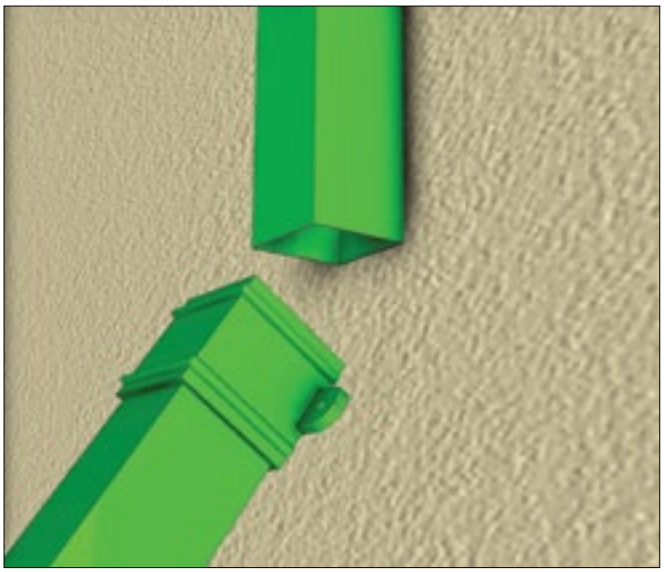
Lightning Conductors

Under no circumstances should rainwater downpipes be used as a lightning conductor to earth. If bonding pipes to a lightning conductor system is required, the specialist installer must use an electrolytically compatible external bonding strap and not drill and bolt through the pipe wall.

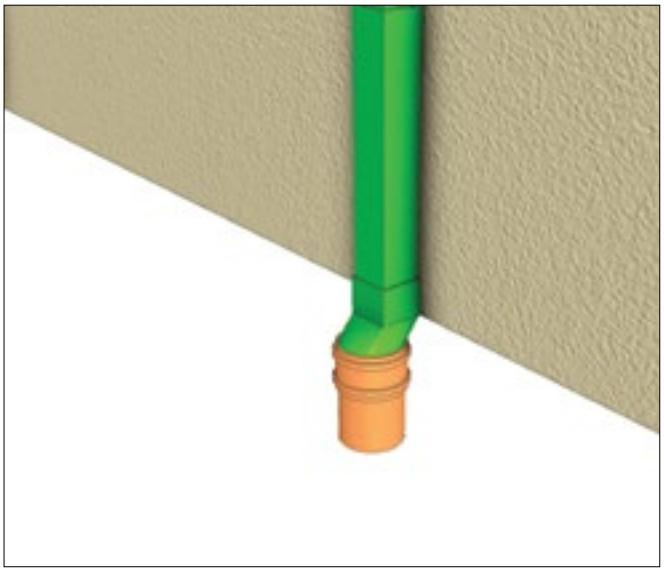
Gutter outlet / Hopper connection



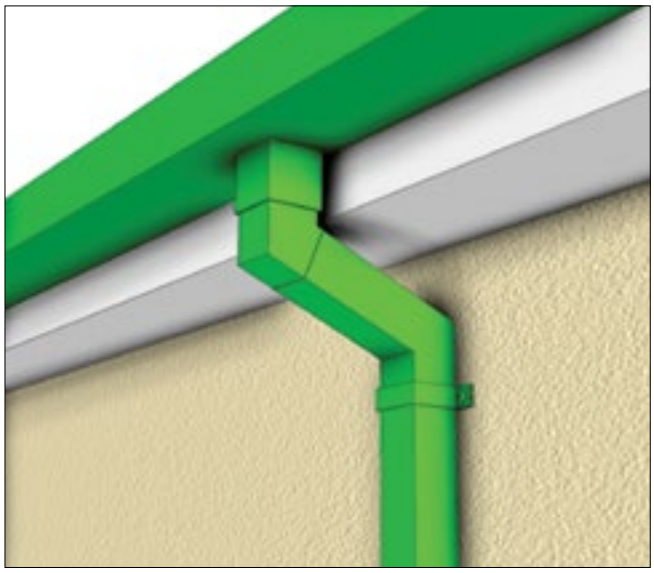
Fixing



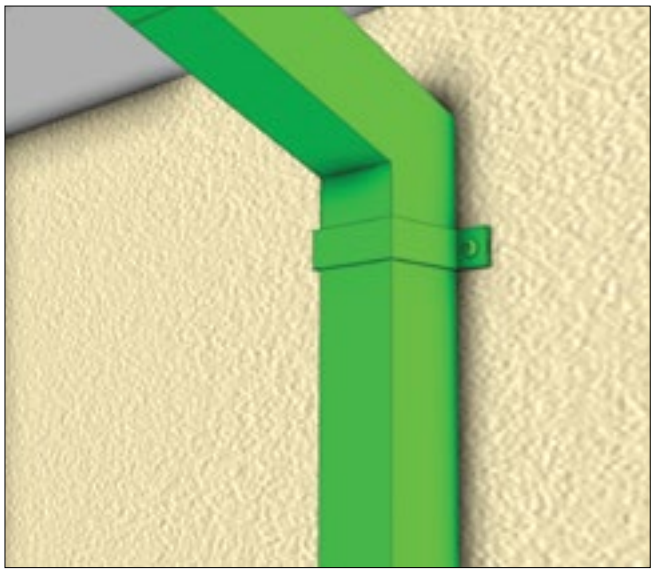
Drain Connection



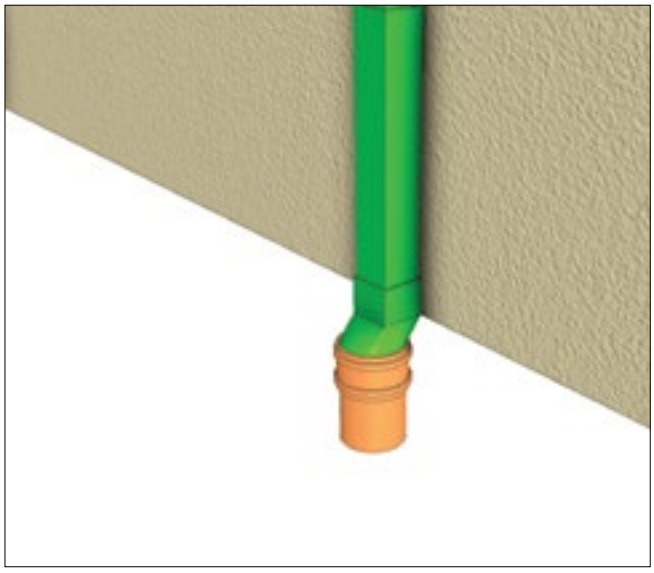
Gutter outlet / Hopper connection



Fixing



Drain Connection



Gutter outlet / Hopper connection

Connection to the gutter outlet and or hopper is made via a pipe socket. Pipe sockets are supplied with all adjustable eaves offsets. Bespoke offsets can be made to order.

Fixing

For fixing to masonry, use the standard pipe clips and fix with Alutec No. 12 x 50mm domehead screw, code SC205 with appropriate wall plugs. One clip to be located over the pipe joint and a further clip 1.5 metres below. Additional pipe clips must be fitted adjacent to inline bends and branches.

Additional spacing from wall

Downpipes can be spaced out a further 30mm from the wall by using Alutec cast spacer bobbins with No. 16 x 100mm hex insert domehead, code SC209 with appropriate wall plugs.

If fixing to a non masonry background, please call Alutec Technical Services Department for advice.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and Alutec solvent cleaner, code SC108 to remove all traces of dirt or grease, which may not be visible.

Joints to the gutter outlet connection and joints not on a vertical plane should always be sealed with Alutec sealant, code SC101; remaining joints do not require sealing.

Pipe off cuts can be utilised by fitting an internal joint spigot to a square cut end of pipe and sealed with Alutec sealant.

Drain Connection

Circular pipe

Unless a shoe is used to terminate the downpipe and discharge over an open gully, drain connections should preferably be made using an appropriate adaptor by the drain pipe manufacturer, e.g. connect to vitreous clay or PVCu drainage pipes with a universal EPDM rubber adaptor. For connection to cast iron drainage use a proprietary cast iron step coupling.

Square pipe

Unless a shoe is used to terminate the pipe and discharge over an open gully, drain connections should preferably be made using the appropriate size Alutec square to round drain connector. The adaptor push-fits inside a 110mm Ø ring sealed drain socket. The deep square connection socket allows for an insert and lift slip connection of the bottom pipe between two fixed points.

Testing

It is good practice to water test the downpipes after installation. If connected to a gutter system the discharging of flood test water from the gutter should identify any leaks within the downpipe system. For downpipes connected to hoppers or flat roof outlets, discharging water at the top with a hose pipe for a period of 5 minutes under normal mains pressure should suffice. Any leaking joints should be taken apart and re-sealed and re-tested.

Lightning Conductors

Under no circumstances should rainwater downpipes be used as a lightning conductor to earth. If bonding pipes to a lightning conductor system is required, the specialist installer must use an electrolytically compatible external bonding strap and not drill and bolt through the pipe wall.

Gutter outlet / Hopper connection

Connection to the gutter outlet and or hopper is made via a pipe socket. Pipe sockets are supplied with all adjustable eaves offsets. Bespoke offsets can be made to order.

Fixing

Unlike other pipes assemblies, this system is designed to be anti-climable and therefore fixed flat against the wall with all support fixings concealed. Install in sequence from top to bottom using Alutec 50mm x No.12 countersunk screw, code SC241 with appropriate wall plugs. Unless used for the aesthetic value of the pipe system, shoes at the bottom of the pipes are not recommended. Bends and branches are supplied with loose fixing plates and fixing kit, to allow the plates to be fitted to the required left/right handing orientation.

If fixing to a non masonry background, please call Alutec Technical Services Department for advice.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and Alutec solvent cleaner, code SC108 to remove all traces of dirt or grease, which may not be visible.

All pipe joints, including connection to the gutter outlet, must be sealed with Alutec sealant, code SC101. Ensure to allow a 3-4mm expansion gap between pipe lengths.

Pipe off-cuts can be used by fitting a pipe socket into a square cut end of pipe.

Drain Connection

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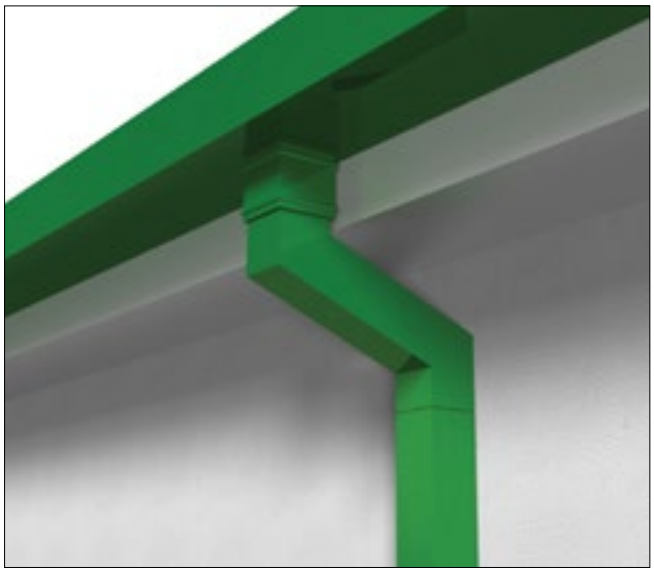
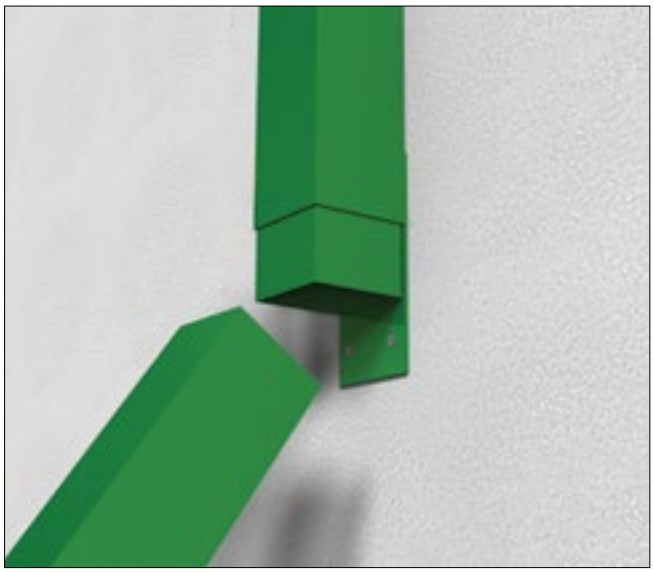
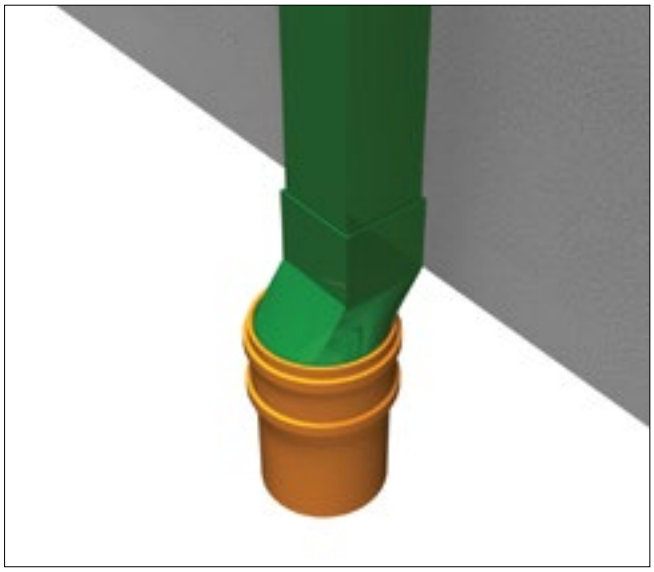
Gutter outlet / Hopper connection



Fixing



Drain Connection



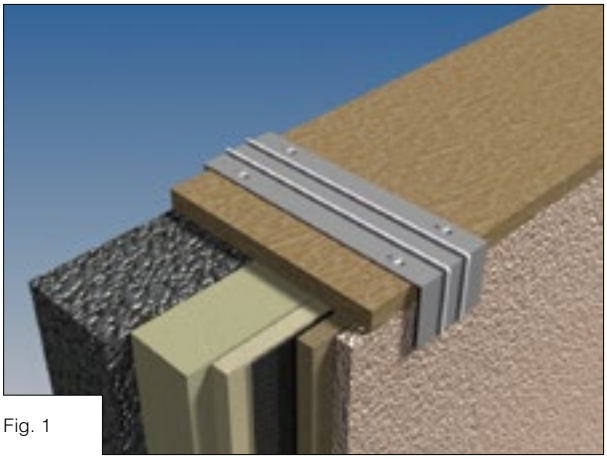


Fig. 1

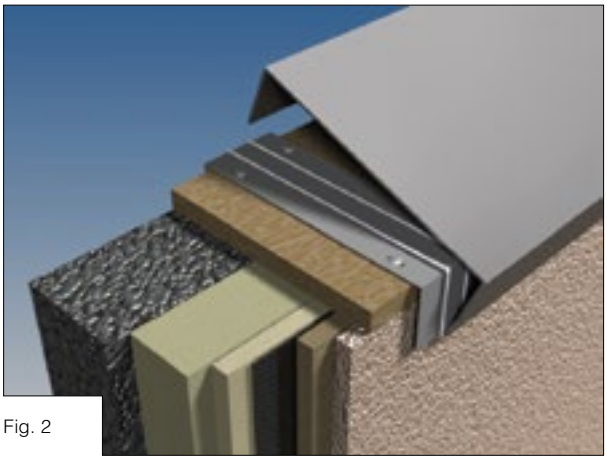


Fig. 2

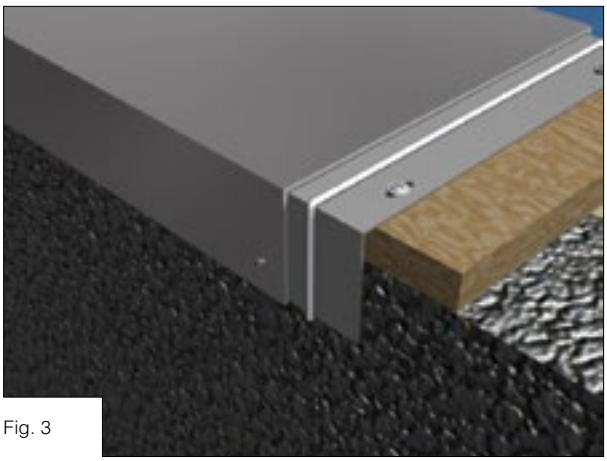


Fig. 3

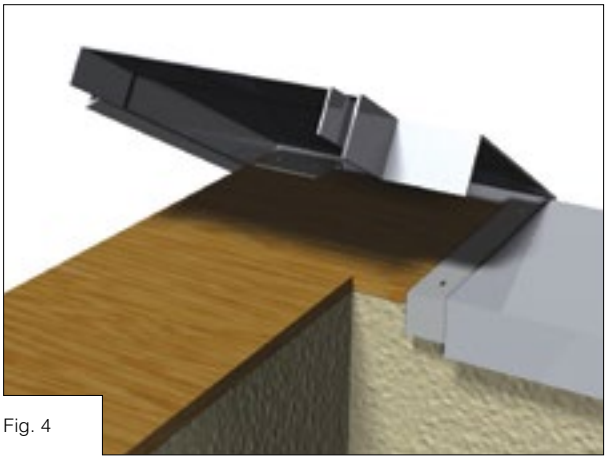


Fig. 4

Fixing Backgrounds

To achieve a strong, secure and flat surface onto which the copings can to be fixed, we strongly recommend that the top of the parapet wall is lined with a minimum 22mm thick marine grade plywood backing board. The backing board should be the width of the parapet wall and be securely fixed to withstand wind load forces. Ensure the backing board is fixed level, as any deviations will manifest themselves in the overall appearance of the installed coping.

1. Fig. 1

Fixing brackets must be located centrally at each coping joint abutment and spaced at maximum 1.5m centres. Secure each bracket using 4 no. No. 8 x 25mm flangehead screws, code SC204.

Optional

If required, the coping system can be laid to a fall of 2° or less by placing glazing shims (supplied by others) underneath the Fixing brackets. For falls greater than 2°, contact The Alutec Technical Services Department

2. Fig. 2

Offer coping panel into place by hooking the front drip edge over the fixing brackets. Remove butyl tape liner, then rotate panel downwards until in its resting position. Press the coping panel down firmly over entire bracket to ensure full contact is made with the high performance butyl sealing strips.

3. Fig. 3

In line with each bracket, on the inside return face pre-drill a 3mmØ hole through the coping panel and bracket. Insert No. 8 x 15mm colour matched flangehead screw, code SC250. Before fitting next coping section, repeat steps 1 and 2, then offer coping panel into position ensuring a 3mm expansion gap is left between abutting ends. Fix coping panel into position as step 3.

4. Fig. 4

The 90° Angles are supplied with one ½ Fixing bracket and one full Fixing bracket which is pre-attached to the 90° Angle. The ½ Fixing bracket must be secured to the marine plywood using 2 no. SC204 as shown in Fig.4. The pre-attached bracket is then secured down to the plywood with 2 no. No. 8 x 25mm flangehead screws code SC204. Then fix through the inside return face into the Fixing brackets with 2 no. No 8 x 15mm colour matched flangehead screw code SC250.

5. Optional

Prior to pointing the expansion gaps, ensure all surfaces are clean and dry. Point the 3mm expansion gaps with colour matched silicone joint sealant, code SC103. Ensure that the joint sealant makes full contact with the rear face of the fixing brackets underneath. We recommend using masking tape to both ends of the coping to achieve a neat finish.

Important note: Do not apply silicone joint sealant in damp conditions or temperatures below 5°

Further information and advice

If you have any queries, please contact The Alutec Technical Services Department on 01234 344108.

Soffit installation :

Step 1:

Each soffit or fascia panel's protective film is printed with directional arrows. Ensure panels are fixed with the arrows pointing in the same direction to ensure a uniform surface appearance. Remove a small area of the protective film from the locations of all fixings to prevent it being trapped underneath the head of the fixing. See Fig. 1

Step 2:

Fix Soffit support trim FF30 to background at 600mm centres and slot soffit panel into Soffit support trim FF30. Pre-drill pilot holes and fix soffit at 600mm centres in rafter / truss ends with colour matched polypins, code SC670 at the front. Polypins should be positioned to be concealed by the bottom front return edge of the fascia. See Fig. 2

Step 3:

Joints between abutting panels are made using 'H' section joint trims. See Fig. 2

Step 4:

Install next soffit panel; ensure a 4mm expansion gap between panels. Fix horizontal timber battens between rafters / trusses for support and alignment at joints.

Fascia installation option 1: Mechanical fixing

Step 4.1: Option

Direct fixing to rafters: For fascia panels supporting guttering, fix with two Nr 50mm poly nails SC280 above the gutter line at maximum 600mm centres. For fascia panels not supporting guttering, fix with two Nr 30mm polypins SC670 at maximum 600mm centres. Additional polypin fixings will be required for fascias over 250mm deep.

Step 4.2: Option

Fixing to timber background: Fix fascia panel at maximum 600mm centres with two Nr 30mm polypins SC670 above the gutter line.

Step 5:

Abutting ends must be jointed with the appropriate H-Section joint trim.

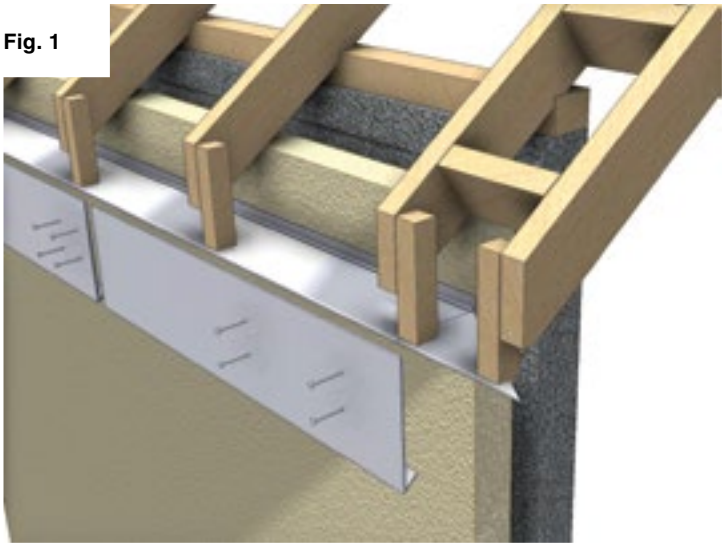
Step 6:

Ensure there is at least a 2mm expansion gap where fascia panel is inserted into the H-section joint trim.

Step 7:

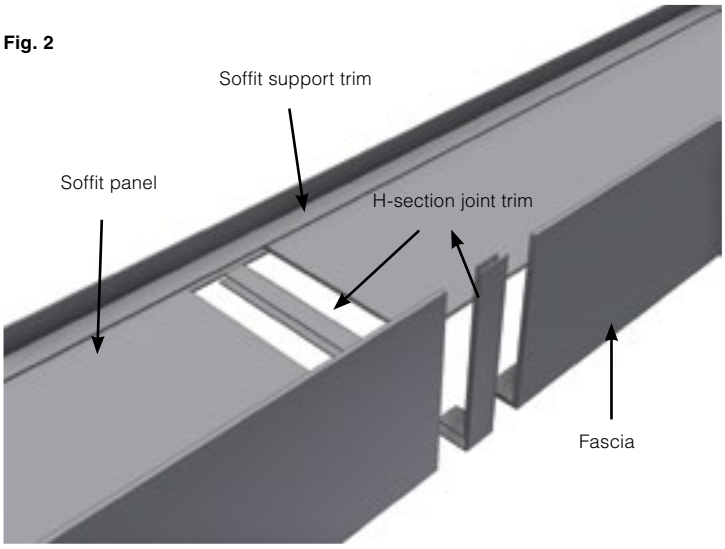
Finally, remove the protective film within 90 days of installation.

Fig. 1



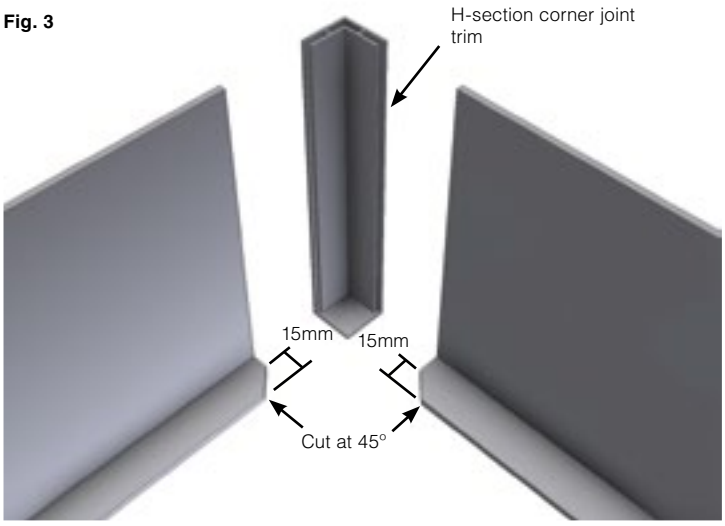
Fixing - Maximum 600mm centres

Fig. 2



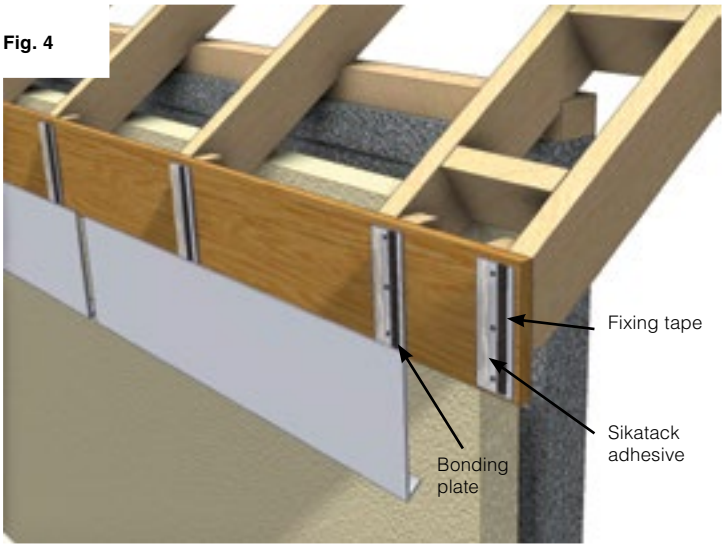
Jointing - Straight sections

Fig. 3



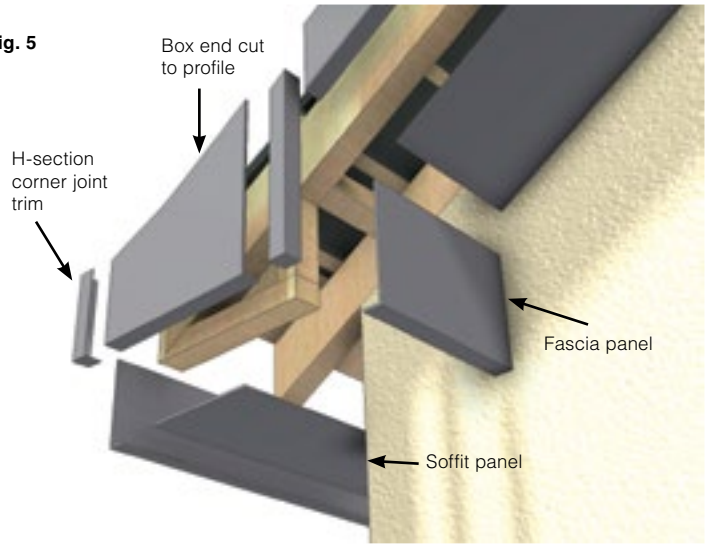
Angle joint - Cut fascia returns 15mm from front face at 45°

Fig. 4



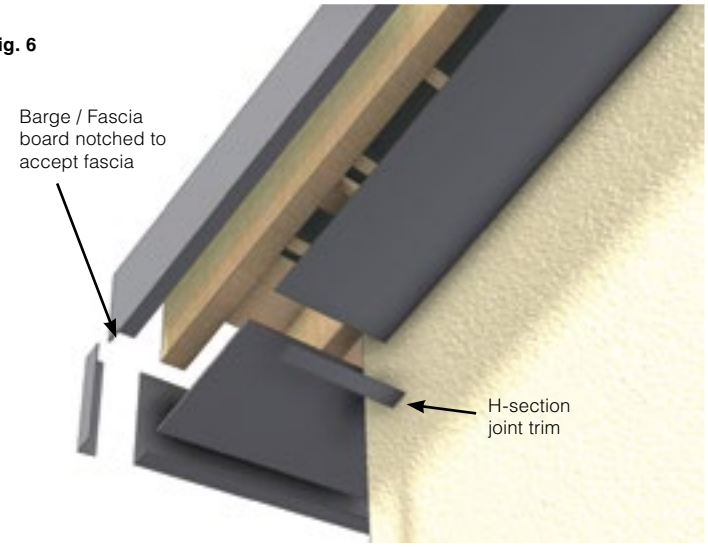
Bonding fascia option - Plates at maximum 600mm centres

Fig. 5



Typical box end construction

Fig. 6



Angled soffit box end construction

Fascia installation option 2: Bonding

Marley Alutec recommends the use of SikaTack Panel Adhesive System when bonding panels.

Not all backgrounds are suitable for a direct secure bond, therefore bonding plates should be mechanically fixed to the background at maximum 600mm centres. Bonding plates are supplied 75mm wide in 3m lengths code FY40 for site cutting to required lengths.

Step 8:

Fix bonding plate FY40 at 600mm centres using minimum 3 Nr stainless steel flat head annular nails or countersunk screws.

Step 9:

Strip off the protective film from the bonding plates and apply one thin coat of SikaTack panel primer to the bonding plates and corresponding areas to the rear of the fascia board. Allow at least 30 minutes for the primer to dry.

Step 10:

Apply the self-adhesive fixing tape vertically to the full length of the bonding plate 5mm in from the edge. This fixing tape is only intended to hold the panel in position until the adhesive is fully cured. See Fig. 4.

Step 11:

Apply Sikatack adhesive to the bonding plate using the triangular nozzle supplied, applying a 10mm high bead at least 5mm from the edge of the plate.

Important Note: Do not apply adhesive in damp/ wet conditions or temperatures below 5°C. We also recommend discreet pinning to the top edge to support the weight of the panels as an additional safety measure.

Step 12:

Remove the foil from the fixing tape, and then carefully offer the fascia panel into the required position to make contact with the beads of adhesive, but without touching the fixing tape. When the panel is in position, press firmly until it makes contact with the fixing tape. We recommend this operation is carried out by two operatives. Fitting the panel must be completed within 10 minutes after application of the adhesive.

Step 13.1: Option

H Section Joints: Abutting ends must be jointed with the appropriate H-Section joint trim.

Step 13.2: Option

Pointed Joints: To achieve a neat silicone joint apply masking tape to both edges, point silicone into the joint, code SC103 and smooth flat. Note: Silicone must make contact with the rear bonding plate. Finally remove masking tape.

Step 14:

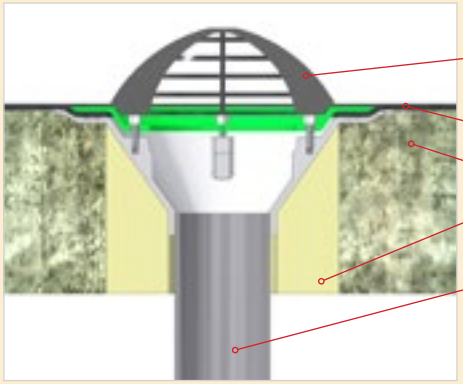
Finally, remove the protective film within 90 days of installation.

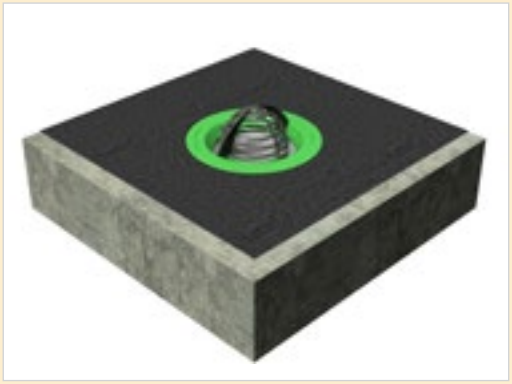
IMPORTANT:

COMMON INSTALLATION TASKS APPLICABLE TO ALL INSTALLATIONS

- Fit threaded pipe connector into the outlet body as per the label attached to each threaded pipe connector, **using silicone sealant (SC101).**
- Fill any structural voids to the underside of the outlet with mortar or insulation as appropriate.
- Fit a fire collar or wrap around the protruding plastic pipe against the underside of the roof structure, if the pipe projects into a building.

COLD ROOFS AND CAR PARKS





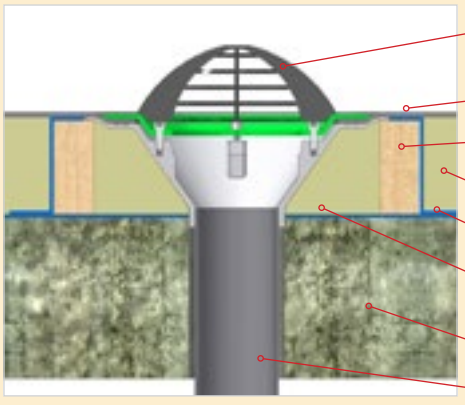
GRP, Cold Liquid, Hotmelt or Asphalt Waterproofing Membranes

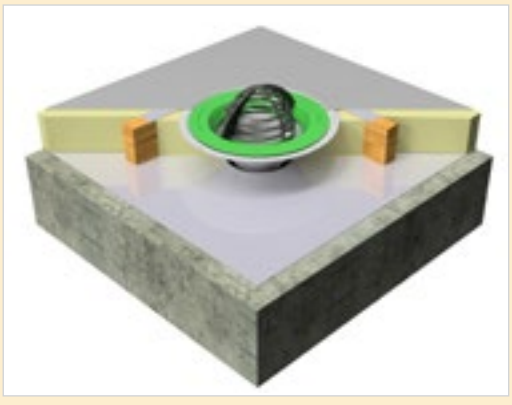
1. Remove the membrane clamp ring, wax paper ring including butyl seals & three foam transit spacers located within the throat of the outlet and discard.
2. Place roof outlet body (with pipe connector fitted) centrally over structural opening.
3. Dress/apply waterproofing membrane over the recessed grooves of the outlet body.
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with the 4 Nr male/female insert bolts. (Use the 4 threaded rods and belts supplied for asphalt applications) Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Attach grating.

Sheet Waterproofing Membranes

1. Remove the dome/flat grate, membrane clamp ring & wax paper ring from the butyl seal rings, including three foam transit spacers located within the throat of the roof outlet.
2. Place roof outlet body with pipe connector fitted, centrally over structural opening.
3. Cut a 500mm square piece of the waterproofing membrane with a 220mm diameter hole in the centre and place centrally over roof outlet.
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with 4 Nr male/female insert bolts. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Attach grating.

WARM ROOFS

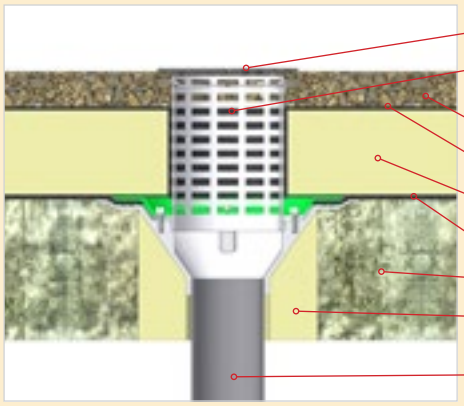


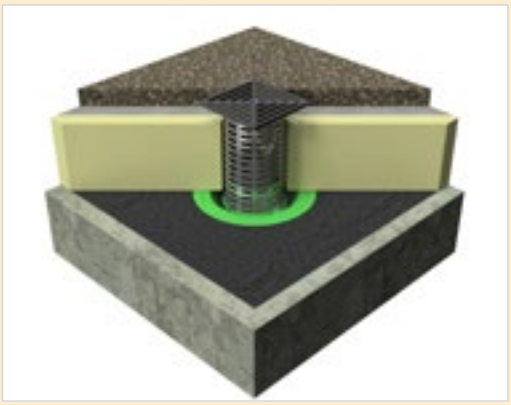


Sheet Waterproofing Membranes

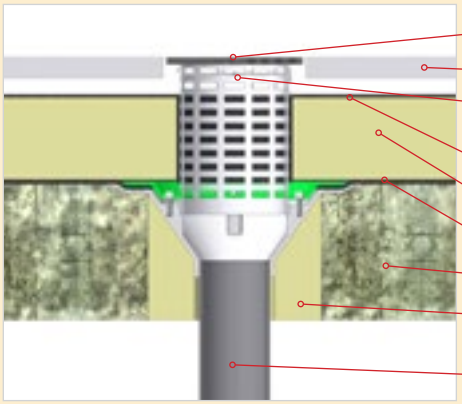
1. The vapour control layer should be cut and sealed around the downpipe hole, within the deck, in accordance with the manufacturer's instructions.
2. Create a 340x340mm internal dimension timber or other suitable material kerb around the roof outlet structural opening to the same height as the insulation.
3. Flashing pieces of the vapour control layer should be dressed over the timber kerb and sealed to the main vapour control layer.
4. Place roof outlet onto the raised kerb, mark and recess the four contact areas so the top of the roof outlet and insulation are at the same height, then secure with 4 Nr A2 stainless steel screws (not supplied).
5. Cut rigid sections of insulation to infill the corners of the timber kerb.
6. Cut a 500mm square piece of the waterproofing membrane with a 220mm diameter hole centrally.
7. Remove the dome/flat grate, membrane clamp ring & wax paper ring from the butyl seal rings, including three foam transit spacers located within the throat of the roof outlet.
8. Place the 500mm square piece of waterproofing membrane over the outlet body ensuring the 220mmØ hole is central.
9. Place the membrane clamping ring over the waterproofing membrane, then secure to outlet body with 4 Nr male/female insert bolts. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
10. Attach grating.

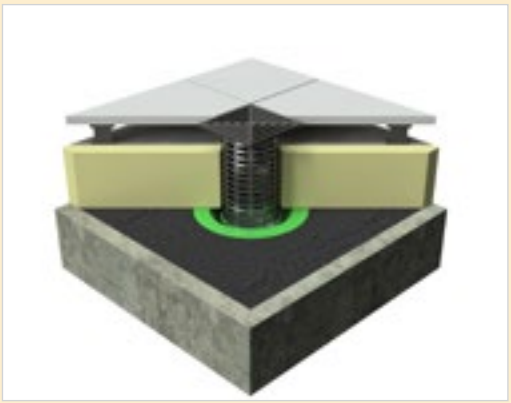
INVERTED BALLAST ROOF



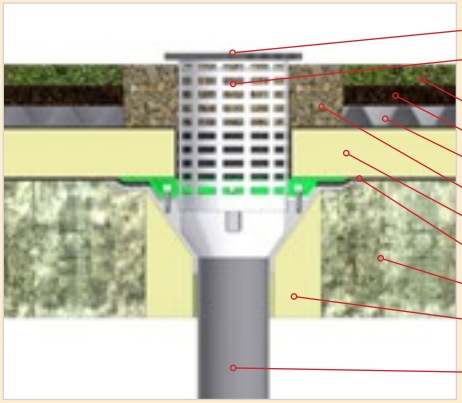


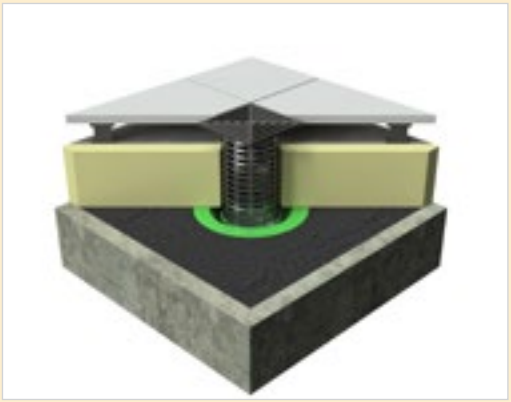
INVERTED PAVED ROOF (TERRACE)





GREEN ROOF





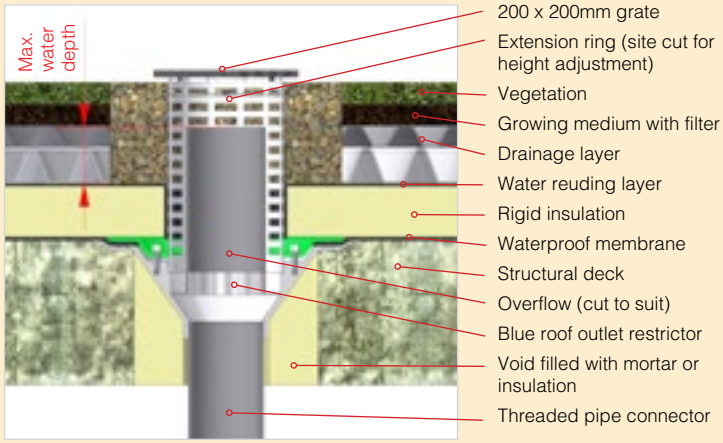
GRP, Cold Liquid and Hotmelt Waterproofing Membranes

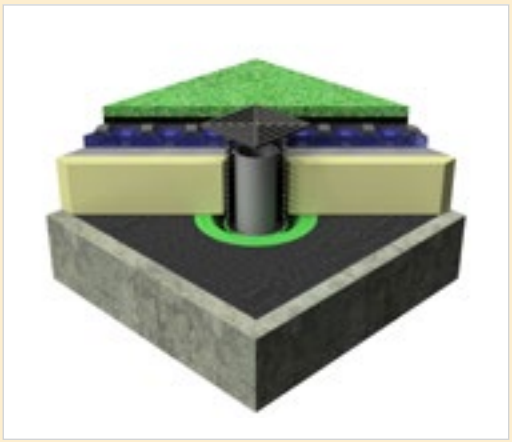
1. Remove the membrane clamp ring, wax paper ring including butyl seals & three foam transit spacers located within the throat of the balcony outlet and discard.
2. Place roof outlet body with pipe connector fitted centrally over structural opening
3. Dress/apply waterproofing membrane over the recessed grooves of the outlet body.
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with the 4 Nr male/female insert bolts. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Insert the 160mmØ perforated extension into outlet throat. Place PIR insulation around the perforated extension. Cut the 160mmØ perforated extension to the required height (level with the finish top layer).
6. Remove perforated extension ring and dress the water runoff layer into the insulation void, then re-insert the perforated extension ring.
7. Insert the grate retaining bar through the uppermost perforations so that the threaded fixing hole is central. Place the 200 x200mm square grating into position and secure with screw provided.
8. Apply any further roof build-up components and dress around the outlet extension ring.

Sheet Waterproofing Membranes

1. Remove the membrane clamp ring. Remove the wax paper ring from the butyl seal rings including three foam transit spacers located within the throat of the roof outlet, and discard.
2. Place roof outlet body with pipe connector fitted centrally over structural opening.
3. Cut a 500mm square piece of the waterproofing membrane with a 220mm diameter hole in the centre and place centrally over roof outlet.
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with 4 Nr male/female insert bolts. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Insert the 160mmØ perforated extension into outlet throat. Place PIR insulation around the perforated extension. Cut the 160mmØ perforated extension to the required height (level with the finished top layer).
6. Remove perforated extension ring and dress the water runoff layer into the insulation void, then re-insert the perforated extension ring.
7. Insert the grate retaining bar through the uppermost perforations so that the threaded fixing hole is central. Place the square grating into position and secure with screw provided.
8. Apply any further roof build-up components and dress around the outlet extension ring.

BLUE ROOF





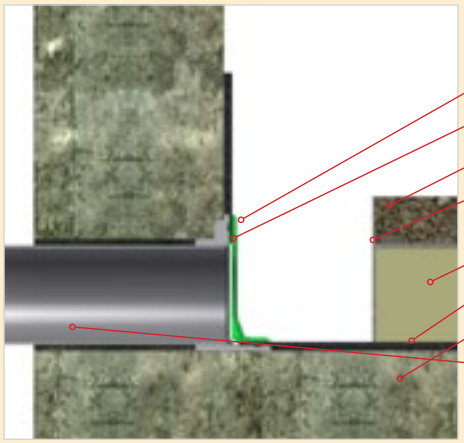
GRP, Cold Liquid, Hotmelt Waterproofing Membranes

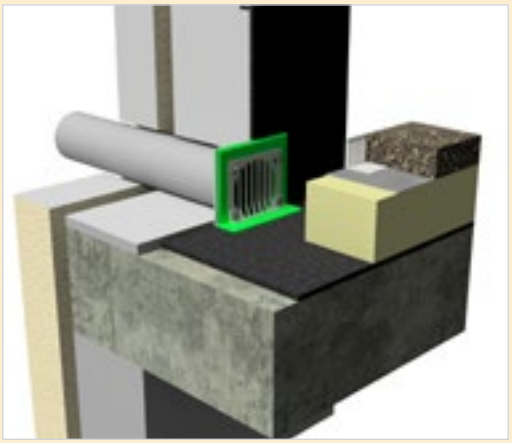
1. Remove the membrane clamp ring, wax paper ring including butyl seals & three foam transit spacers located within the throat of the outlet and discard.
2. Place roof outlet body with pipe connector fitted centrally over structural opening
3. Dress/apply waterproofing membrane over the recessed grooves of the outlet body.
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with the 4 Nr male/female insert bolts. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Insert the 160mmØ perforated extension into outlet throat. Place PIR insulation around the perforated extension. Cut the 160mmØ perforated extension to the required height.
6. Remove perforated extension ring and dress the water runoff layer into the insulation void, then re-insert the perforated extension ring.
7. Place Blue Roof restrictor/overflow flange into the throat of the outlet body. Establish the maximum allowable water depth, mark and cut the overflow upstand to correspond accordingly.
8. Place and bed the flange of the Blue Roof restrictor onto an 8mm bead of silicone into the throat of the roof outlet.
9. Remove correct number of restrictor sealing plugs as instructed within the Blue Roof drainage design.
10. Re-insert the perforated extension ring. Insert grate retaining plate and fix square grating into position with screw provided.
11. Apply any further roof build-up components and dress around the outlet extension ring.

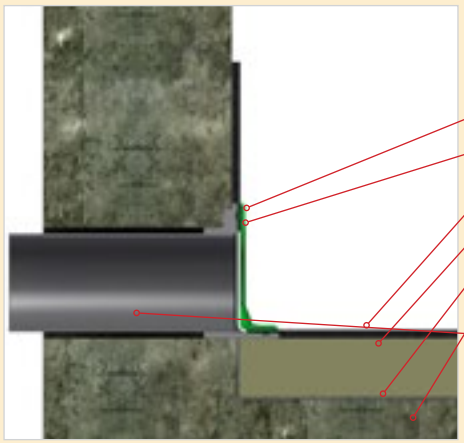
Sheet Waterproofing Membranes

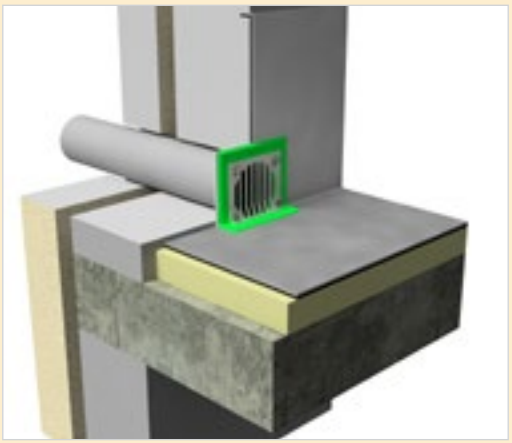
1. Remove the membrane clamp ring. Remove the wax paper ring from the butyl seal rings including three foam transit spacers located within the throat of the roof outlet, and discard.
2. Place roof outlet body with pipe connector fitted centrally over structural opening.
3. Cut a 500mm square piece of the waterproofing membrane with a 220mm diameter hole in the centre and place centrally over roof outlet.
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with 4 Nr male/female insert bolts. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Insert the 160mmØ perforated extension into outlet throat. Place PIR insulation around the perforated extension. Cut the 160mmØ perforated extension to the required height.
6. Remove the perforated extension ring and dress the water runoff layer into the insulation void.
7. Place Blue Roof restrictor/overflow flange into the throat of the outlet body. Establish the maximum allowable water depth, mark and cut the overflow upstand to correspond accordingly.
8. Place and bed the flange of the Blue Roof restrictor onto an 8mm bead of silicone into the throat of the roof outlet.
9. Remove correct number of restrictor sealing plugs as instructed within the Blue Roof drainage design.
10. Re-insert the perforated extension ring. Insert grate retaining plate and fix square grating into position with screw provided.
11. Apply any further roof build-up components and dress around the outlet extension ring.

PARAPET OUTLET – WARM, COLD AND INVERTED ROOFS









GRP, Cold Liquid, Hotmelt Waterproofing Membranes

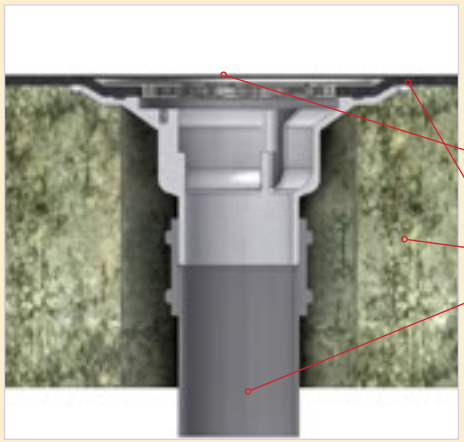
1. Remove the L shaped membrane clamp flange & stainless-steel grate. Remove wax paper ring, butyl seal strips including three foam transit spacers located within the throat of the outlet and discard.
2. Insert roof outlet with pipe adaptor fitted, into the structural opening and secure with 2 Nr A2 grade stainless steel screws (not provided) into the vertical background.
3. Dress the waterproofing membrane over the recessed grooves of the outlet body.
4. Place L shaped membrane clamp flange and grate over waterproofing membrane, then secure to outlet body with the 4 Nr male insert bolts. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.

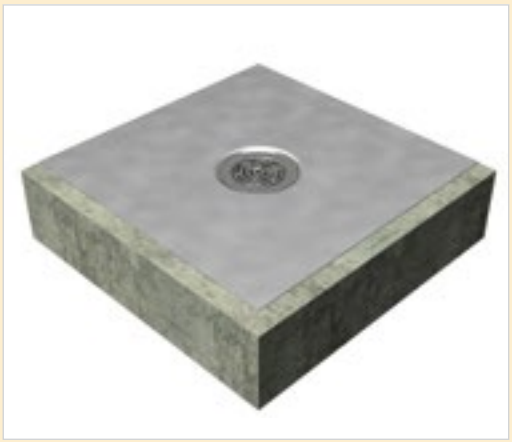
Sheet Waterproofing Membranes

1. Remove the L shaped membrane clamp flange & stainless-steel grate, wax paper ring from butyl seal ring including three foam transit spacers located within the throat of the roof outlet.
2. Insert roof outlet with pipe adaptor fitted, into the structural opening and secure with 2 Nr A2 grade stainless steel screws (not provided) into the vertical background.
3. Create a 500mm sq. skirt from the waterproof membrane and cut a 90x112mm rectangular hole in the middle and place over the outlet body & butyl seal strips.
4. Place L shaped membrane clamp flange and grate over waterproofing membrane, then secure to outlet body with the 4 Nr male insert bolts. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.

Inverted roofs - A localised sump area/void, adjacent to the outlet, should be left within the insulation of approximately 200x200mm in size. The void area can be left open or backfilled with ballast.

UN-INSULATED BALCONIES





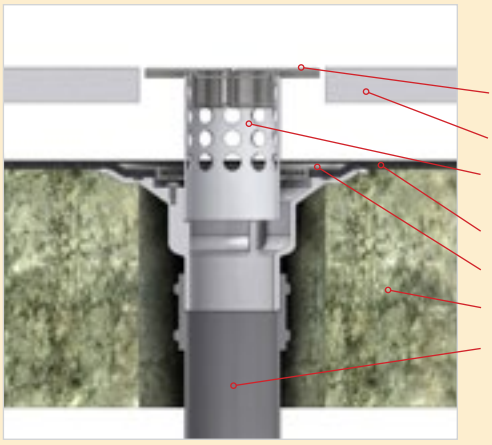
GRP, Cold Liquid and Hotmelt Waterproofing Membranes

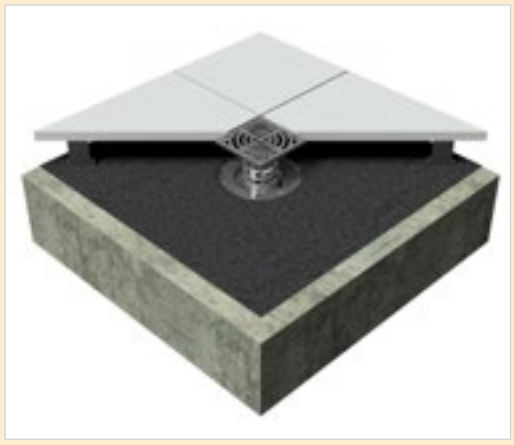
1. Remove the membrane clamp ring, wax paper ring including butyl seals & three foam transit spacers located within the throat of the balcony outlet and discard.
2. Insert balcony outlet into the structural opening and secure with A2 grade stainless steel screws (not supplied).
3. Dress the waterproofing membrane over the recessed grooves of the outlet body
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with the 3Nr bolts provided. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Place circular grate over outlet and secure with screws provided.

Sheet Waterproofing Membranes

1. Remove the membrane clamp ring, wax paper ring, including three foam transit spacers located within the throat of the balcony outlet and discard.
2. Insert balcony outlet into the structural opening and secure with A2 grade stainless steel screws (not supplied).
3. Create a 500mm sq. skirt from the waterproof membrane and cut a 135mm diameter hole in the middle. Centralise skirt over the outlet body.
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with the 3Nr bolts provided. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Place circular grate over outlet and secure with screws provided.

PAVED/DECKED BALCONIES





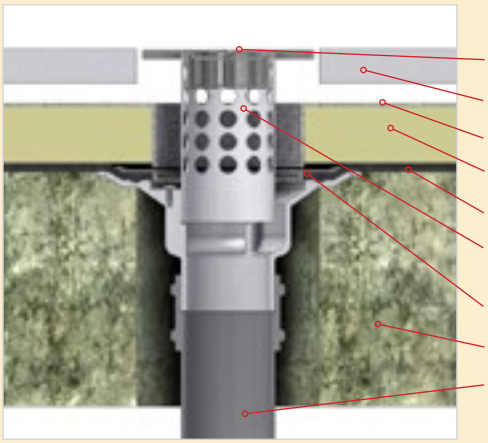
GRP, Cold Liquid and Hotmelt Waterproofing Membranes

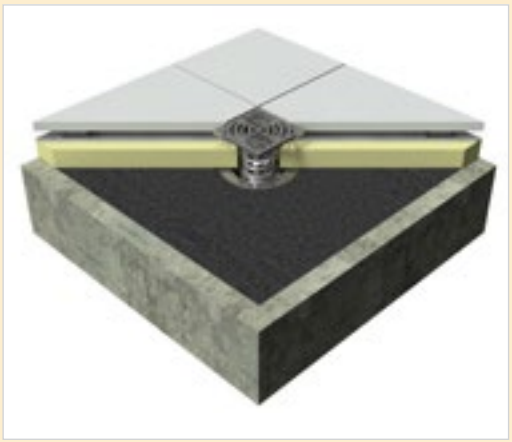
1. Remove the membrane clamp ring, wax paper ring including butyl seals & three foam transit spacers located within the throat of the balcony outlet and discard.
2. Insert balcony outlet into the structural opening and secure with A2 grade stainless steel screws (not supplied).
3. Dress the waterproofing membrane over the recessed grooves of the outlet body
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with the 3Nr bolts provided. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Insert perforated extension into outlet throat then mark the required height and cut down accordingly (5mm below finished floor level).
6. Press square tile grate spigot into the perforated extension.

Sheet Waterproofing Membranes

1. Remove the membrane clamp ring, wax paper ring, including three foam transit spacers located within the throat of the balcony outlet and discard.
2. Insert balcony outlet into the structural opening and secure with A2 grade stainless steel screws (not supplied).
3. Create a 500mm sq. skirt from the waterproof membrane and cut a 135mm diameter hole in the middle. Centralise skirt over the outlet body.
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with the 3Nr bolts provided. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Insert perforated extension into outlet throat then mark the required height and cut down accordingly (5mm below finished floor level).
6. Press square tile grate spigot into the perforated extension.

INVERTED PODIUM/BALCONIES





GRP, Cold Liquid and Hotmelt Waterproofing Membranes

1. Remove the membrane clamp ring, wax paper ring including butyl seals & three foam transit spacers located within the throat of the balcony outlet and discard.
2. Insert balcony outlet into the structural opening and secure with A2 grade stainless steel screws (not supplied).
3. Dress the waterproofing membrane over the recessed grooves of the outlet body
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with the 3Nr bolts provided. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Insert perforated extension into outlet throat then mark the required height and cut down accordingly (5mm below finished floor level). Place PIR insulation around the perforated extension.
6. Press square tile grate spigot into the perforated extension.

Sheet Waterproofing Membranes

1. Remove the membrane clamp ring, wax paper ring, including three foam transit spacers located within the throat of the balcony outlet and discard.
2. Insert balcony outlet into the structural opening and secure with A2 grade stainless steel screws (not supplied).
3. Create a 500mm sq. skirt from the waterproof membrane and cut a 135mm diameter hole in the middle. Centralise skirt over the outlet body.
4. Place membrane clamping ring over waterproofing membrane, then secure to outlet body with the 3Nr bolts provided. Tighten bolts in a diagonal sequence to ensure even compression. Check tightness after 15-30 mins and further tighten if required.
5. Insert perforated extension into outlet throat then mark the required height and cut down accordingly (5mm below finished floor level). Place PIR insulation around the perforated extension.
6. Press square tile grate spigot into the perforated extension.

NOTES

GENERAL INFORMATION

Prices quoted are trade list prices and exclude Value Added Tax (VAT). Customer attention is drawn to the Company's official Terms and Conditions of Sale. Goods are supplied strictly in accordance with these terms and conditions, copies of which are freely available from our website.

Marley Alutec products are manufactured to a constant high standard. Marley Alutec will therefore not accept responsibility for failure of any installation which includes components not supplied by us. Only use Marley Alutec recommended sundries, as other products may be incompatible and impair the life expectancy of the system.

Before placing your order please check that you have ordered the appropriate amount of sealant, solvent cleaner, screws, nuts/bolts/washers and touch-up paints. Where applicable when ordering, please clearly quote the colour and the RAL code.

Roof outlets are manufactured in aluminium. Grates and clamping rings or flanges are polyester powder coated.

RETURNS POLICY

Returns of polyester powder coated product will be for Heritage Black only, with prior agreement and at the discretion of Marley Alutec. Any agreed returns will incur a 50% re-stocking charge which covers the handling, checking and administration of the returned items.

We are unable to accept the return of any other Polyester Powder Coated or Soffit, Fascia & Coping product.

DELIVERY CHARGES

UK Mainland

Product group	Based on list value per delivery	Delivery Charge
All orders excluding Evoke fascia, soffit and coping lengths	Up to £25 at list	£8
	£25 - £500 at list	£15
	£500 - £750 at list	£25
	£750 or above at list	No charge
All orders which include Evoke fascia, soffit and coping lengths	Applicable to all orders	£100

For deliveries outside of UK mainland please contact customer services.

LEAD TIMES

2 day delivery lead times

Heritage black

Gutter systems

- Evolve Half Round GT5 range
- Evolve Deepflow GE5 range
- Evolve Box GB5 range
- Evolve Ogee GY5 range
- Aligator Classic GK4 range
- Traditional Half Round (4", 4.5" & 5") GC4, GC1 & GC5 ranges
- Traditional Moulded (5" & 6") GM5 & GM6 ranges

Downpipe systems

- Evolve 63mm Pipe RT2 ranges
- Tudor (63mm & 76mm) TR2 & TR3 ranges
- Flushfit 76mm RE3 ranges

Anthracite Grey (RAL 7016)

Gutter systems

- Evolve Half Round XGT5 range
- Evolve Deepflow XGE5 range
- Evolve Box XGB5 range

Downpipe systems

- Flushfit 76mm dia XRE3 range
- Flushfit 72x72mm XRJ3 range

All other standard colour products will be delivered within 10 working days of order except Giant which is 15 working days, for specific enquiries contact projects@marleyalutec.co.uk.

See page 5 for details of our standard colours

Other lead times:

Soffit & Fascia ..... 10 working days
Coping ..... 20 working days
Roof outlets ..... 5 working days

CONTACTS

Estimate requests and price enquiries: email: **projects@marleyalutec.co.uk** Tel: **01234 359438**.

Order placement: **orders@marleyalutec.co.uk** Tel: **01234 359438** Fax: **01234 357199** (Orders only accepted by email, post or fax)
Order progression: Tel: **01234 359438**.

Please state colour when ordering.

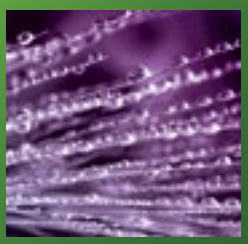
Orders received by 3.30pm on normal business days will be processed on the day of receipt.
Orders received after 3.30pm will be processed the next business day.

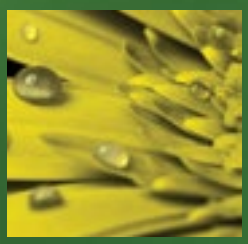
Please note that the lead time/due date for the order, will be calculated from the date of processing.

Technical enquiries: **technical@marleyalutec.co.uk** Tel: **01234 344108**.

Free estimating tool available at **www.marleyalutec.co.uk/calculators**

Notes





ALUTEC
ALUMINIUM RAINWATER SYSTEMS

Head office

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For technical enquiries please call **01234 344108**
email: **enquiries@marleyalutec.co.uk**
Fax: **01234 357199**

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