Master Flash®

P R O D U C T   C A T A L O G U E

Aztec
International
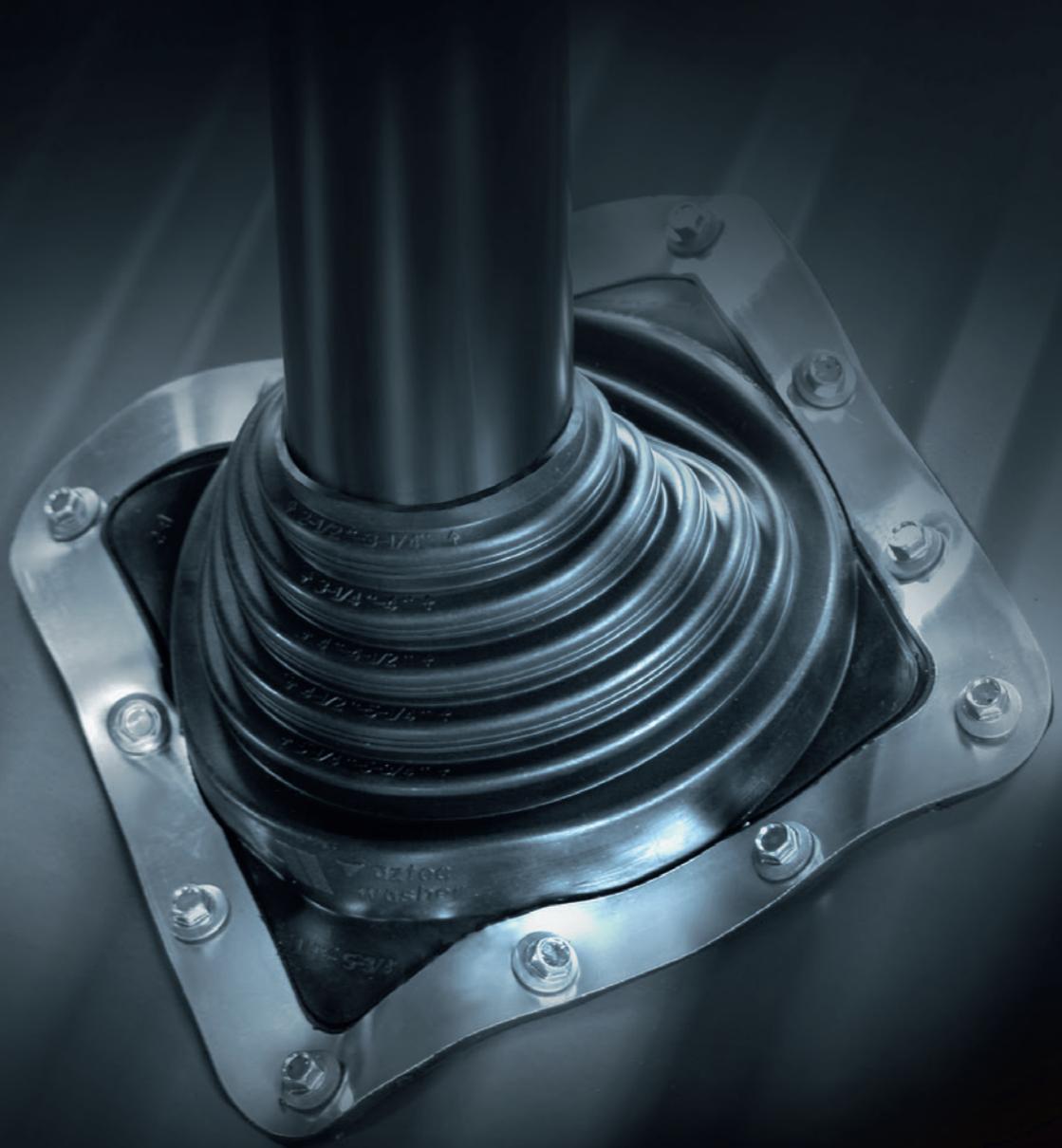
Master Flash®

Our extensive range of Master Flash® products, from Standard to Residential, from Retrofit to Extreme Angles, from Low Profile to Solar Flash, is sure to meet the needs of all of our customers. Made of Silicone or EPDM Rubber, our Master Flash® flashings are compounded specifically for maximum resistance to weathering caused by ozone exposure and ultraviolet light. These two materials mean that we can offer flashings that are able to withstand temperatures of up to 260°C and down to as low as -74°C. Such a large temperature range means that our products are ideal for the heating season and are therefore perfectly suited for chimneys and stoves.

Master Flash® products guarantee watertight sealing around both round and square pipes. They can be used on all types of roofing including, but not limited to, profiled metal roofs, flat, angled, membranes, plastic, and concrete or slate tiles.

Aztec Washer Company manufactures Master Flash® in its own factories. The entire supply chain is controlled internally with nothing made under licence. Aztec are innovators, continuously bringing new products to the market place. Thanks to a highly skilled manufacturing team, an R&D department, and a specially-trained chemist, Aztec is active in development of new products and high standards.

Alongside our standard 20-year warranty, we do offer a range of products that carry a 35-year warranty, which are available on special request. Whilst the product range we hold is wide, we do have certain non-standard products, types, and colours and therefore encourage our customers to always check for availability with our sales teams for special solutions.

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![Aztec International logo]

Aztec offers flashings :

- made of EPDM (Ethylene Propylene Diene Monomer) or Silicone
- for industrial and residential buildings
- available with square and round bases
- for solar panel applications

- for square tubing
- in a wide range of EPDM colours (on special request)
- with 20 years manufacturer warranty (or 35 years on special request)

Master Flash®		EPDM 500	Silicone
ADVANCED OZONE RESISTANCE tested to:		70 h @ 500 pphm	70 h @ 500 pphm
HIGH TEMPERATURE RESISTANCE			
tested to:	intermittent	+135°C (+275°F)	+260°C (+500°F)
	continuous	+100°C (+212°F)	+225°C (+437°F)
LOW TEMPERATURE RESISTANCE tested to:		-55°C (-67°F)	-74°C (-101°F)
TENSILE SET maximum		10 MPa (1450 psi)	5 MPa (725 psi)
COMPRESSION SET maximum		25%	50%

Clear identification and easy tracking of original product.

Pipe diameters are clearly marked - easy to adjust on site by cutting.

Bonded aluminium flange allows easy hand shaping to fit the sheet profile. Evenly distributes fastener pressure.

Ribbed base together with applied sealant improves waterproof performance.

Master Flash® Standard

- Material: EPDM / Silicone
- 13 sizes / designed for 0" to 39 - 1/2" (0 - 1000 mm) diameter pipes
- Available in 10 EPDM colours (check page 27)
- The soft aluminium base fits easily to most metal roof profiles
- Sleeve flexibility accommodates vibration and pipe movement caused by expansion / contraction
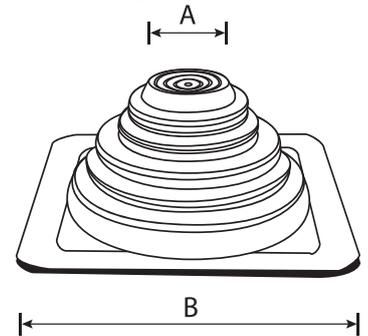
Suitable when installation is possible by sliding the flashing down the pipe.

Master Flash® Standard

| No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening	B-Base Dimensions
Mini	Closed - 1" (0 - 25 mm)	Black or Colour EPDM, Silicone	SQ051BA	Closed	2 - 1/4" (57 mm)
1	Closed - 2 - 3/4" (0 - 70 mm)	Black or Colour EPDM, Silicone	SQ101BA	Closed	4 - 1/2" (114 mm)
2	5/8" - 4" (15 - 101 mm)	Black or Colour EPDM, Silicone	SQ201BA	5/8" (15 mm)	6" (152 mm)
3	Closed - 5 - 3/4" (0 - 146 mm)	Black or Colour EPDM, Silicone	SQ301BA	Closed	8" (203 mm)
4	2 - 3/4 " - 7" (69 - 177 mm)	Black or Colour EPDM, Silicone	SQ401BA	2 - 3/4" (69 mm)	10" (254 mm)
5	4" - 8 - 1/4" (101 - 209 mm)	Black or Colour EPDM, Silicone	SQ501BA	4" (101 mm)	11" (279 mm)
6	4 - 3/4" - 10" (121 - 254 mm)	Black or Colour EPDM, Silicone	SQ601BA	4 - 3/4" (121 mm)	12" (304 mm)
7	6" - 11" (152 - 279 mm)	Black or Colour EPDM, Silicone	SQ701BA	6" (152 mm)	14" (355 mm)
8	6 - 3/4" - 12" (171 - 304 mm)	Black or Colour EPDM, Silicone	SQ801BA	6 - 3/4" (171 mm)	17" (431 mm)
9	9 - 1/2" - 20 - 1/2" (241 - 520 mm)	Black or Colour EPDM, Silicone	SQ901BA	9 - 1/2" (241 mm)	25" (635 mm)
Maxi Closed	Closed - 28 - 1/2" (0 - 724 mm)	Black or Colour EPDM, Silicone	SQ951BA-C	Closed	34" (863 mm)
Maxi Open	12" - 28 - 1/2" (304 - 724 mm)	Black or Colour EPDM, Silicone	SQ951BA-O	12" (304 mm)	34" (863 mm)
Maxi XL	12" - 39 - 1/2" (304 - 1000 mm)	Black or Grey EPDM, Silicone	SQ961BA	12" (304 mm)	44" (1118 mm)

Master Flash® Universal

- Material: EPDM / Silicone
- 10 sizes / designed for 0" to 19" (0 - 482 mm) diameter pipes
- Available in 11 EPDM colours (check page 27)
- The base is designed to mould to most panel configurations and roof pitches regardless of pipe location

Suitable when installation is possible by sliding the flashing down the pipe.
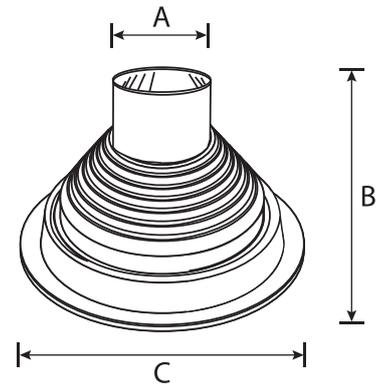
Master Flash® Universal

| No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening	B-Overall Height	C-Base Dimensions
Mini	Closed - 1" (0 - 25 mm)	Black or Colour EPDM, Silicone	RD051BE	Closed	1 - 1/2" (38 mm)	4" (101 mm)
1	Closed - 1 - 7/8" (0 - 47 mm)	Black or Colour EPDM, Silicone	RD101BE	Closed	2 - 7/8" (73 mm)	4 - 3/4" (120 mm)
2	1 - 3/4" - 3" (45 - 76 mm)	Black or Colour EPDM, Silicone	RD201BE	1 - 3/4" (45 mm)	3 - 1/2" (88 mm)	6 - 1/4" (158 mm)
3	Closed - 5" (0 - 127 mm)	Black or Colour EPDM, Silicone	RD301BE	Closed	3 - 3/4" (95 mm)	7 - 3/4" (196 mm)
4	3" - 6 - 1/4" (75 - 160 mm)	Black or Colour EPDM, Silicone	RD401BE	3" (75 mm)	4" (101 mm)	9 - 1/4" (234 mm)
5	4 - 1/4" - 7 - 1/2" (108 - 190 mm)	Black or Colour EPDM, Silicone	RD501BE	4 - 1/4" (108 mm)	4 - 1/2" (114 mm)	10 - 1/2" (266 mm)
6	5" - 9" (127 - 228 mm)	Black or Colour EPDM, Silicone	RD601BE	5" (127 mm)	4 - 3/4" (120 mm)	12 - 1/2" (317 mm)
7	6" - 11" (150 - 280 mm)	Black or Colour EPDM, Silicone	RD701BE	6" (150 mm)	6" (150 mm)	14 - 1/2" (368 mm)
8	7" - 13" (175 - 330 mm)	Black or Colour EPDM, Silicone	RD801BE	7" (175 mm)	6 - 1/2" (165 mm)	16 - 1/2" (412 mm)
9	9" - 20" (228 - 508 mm)	Black or Colour EPDM, Silicone	RD901BE	9" (228 mm)	8 - 3/4" (222 mm)	25 - 1/4" (641 mm)

Master Flash® Universal Retrofit

- Material: EPDM / Silicone
- 3 sizes / designed for 7/8" - 9 - 1/2" (22 - 241 mm) diameter pipes
- Stainless steel gripper to secure a retrofit cut is included

Offers ideal solution when installation by sliding the flashing down the pipe is not possible.
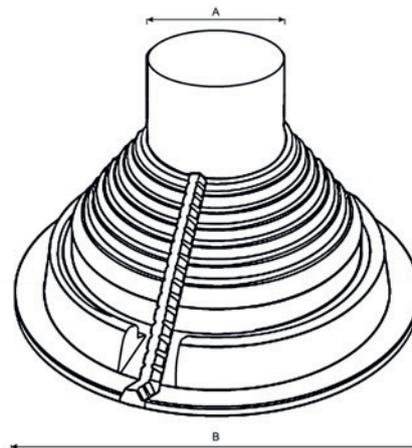
Master Flash® Universal Retrofit

| No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B-Base Dimensions
1	7/8" - 2 - 1/2" (22 - 63 mm)	Black or Colour EPDM, Silicone	RF101BS - RD	7/8" (22 mm)	6 - 1/4" (158 mm)
2	2" - 6 - 1/2" (50 - 165 mm)	Black or Colour EPDM, Silicone	RF201BS - RD	2" (50 mm)	10 - 3/4" (273 mm)
3	3 - 1/4" - 10" (83 - 254 mm)	Black or Colour EPDM, Silicone	RF301BS - RD	3 - 1/4" (83 mm)	14 - 1/2" (368 mm)

Master Flash® Retrofit

- Material: EPDM / Silicone
- 3 sizes / designed for 7/8" to 17" (22 - 431 mm) diameter pipes
- Easy-to-install snap rivets and a plastic cable tie included with the EPDM flashings
- Easy-to-install aluminium rivets and banding included with the Silicone flashings
- Easy-to-see pipe diameters make for simple on-site customization

Offers ideal solution when installation by sliding the flashing down the pipe is not possible.
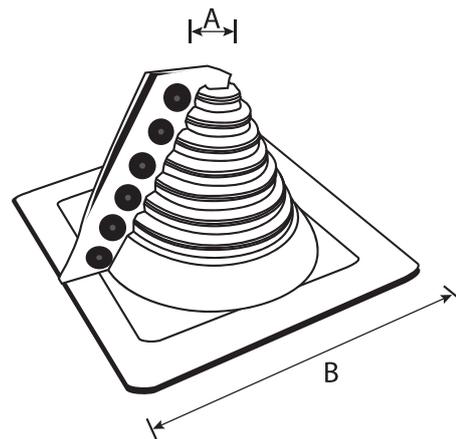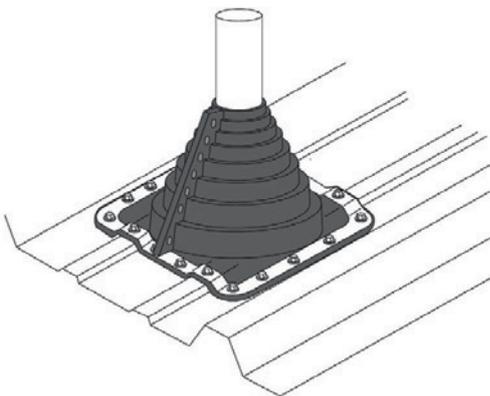
Master Flash® Retrofit

| No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B-Base Dimensions
1	7/8" - 4" (22 - 101 mm)	Black or Colour EPDM, Silicone	RF101BP	7/8" (22 mm)	8" (203 mm)
2	4" - 9" (101 - 228 mm)	Black or Colour EPDM, Silicone	RF201BP	4" (101 mm)	14" (355 mm)
3	9 - 1/2" - 17" (241 - 431 mm)	Black or Colour EPDM, Silicone	RF301BP	9 - 1/2" (241 mm)	21 - 1/2" (546 mm)

Master Flash® Retrofit Square Vent

- Material: EPDM
- 2 sizes / designed for 2 - 1/2″ to 5 - 1/2″ (63 - 139 mm) diameter pipes
- Easy-to-install snap rivets and a plastic cable tie included
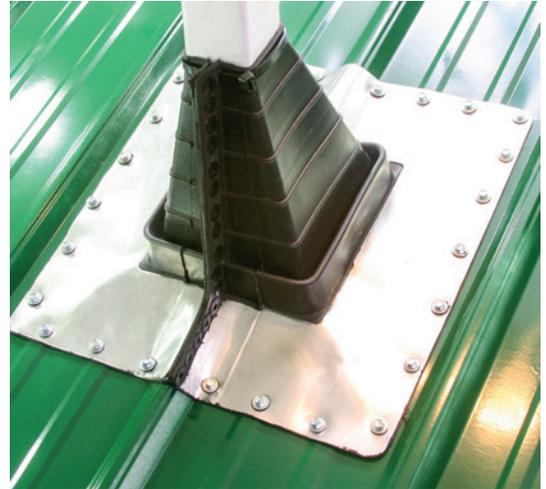
Specially designed for square pipes and vents when installation is not possible by sliding the flashing down the pipe.
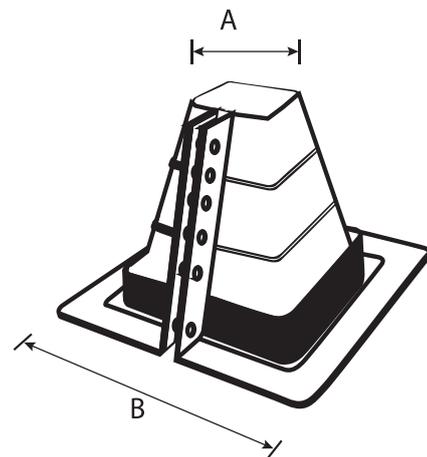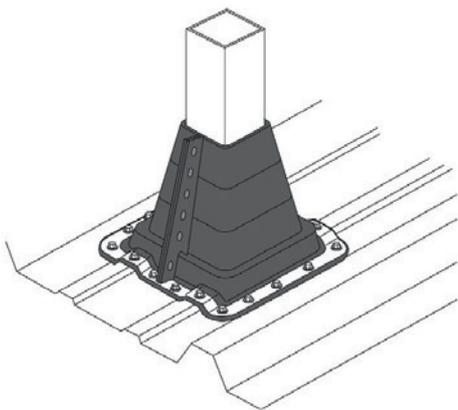
Master Flash® Retrofit Square Vent

| No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B-Base Dimensions
1	2 - 1/2″ - 4″ (63 - 101 mm)	Black EPDM	RF101BP-SQ	2 - 1/2″ (63 mm)	8″ (203 mm)
2	2 - 1/4″ - 5 - 1/2″ (57 - 139 mm)	Black EPDM	RF201BP-SQ	2 - 1/4″ (57 mm)	16 - 3/4″ (425 mm)

Master Flash® Residential Aluminium

- Material: EPDM / Silicone
- 4 sizes / designed for 0" to 18 - 1/2" (0 - 469 mm) diameter pipes
- The built in 20º pitch allows adaptability to almost any roof pitch including a 45º one
- Environmentally safe, lead-free aluminium base

Suitable for small format roofing types such as tar paper shingles, cement tiles or ceramic tiles.
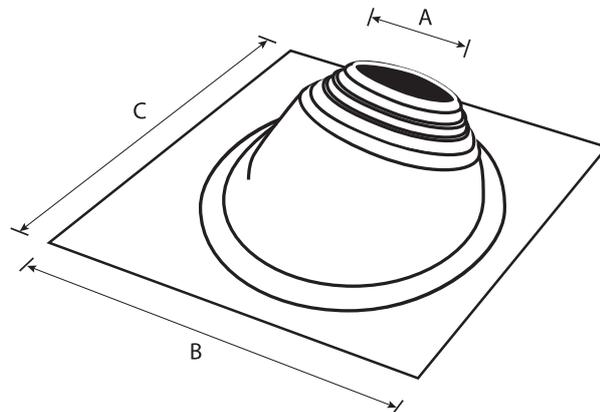
Master Flash® Residential Aluminium

| No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B x C-Aluminium Base Dimensions
Mini	Closed - 3 - 1/4" (0 - 82 mm)	Black or Grey EPDM, Silicone	RS051BA	Closed	16" x 19 - 1/4" (410 x 490 mm)
1	2 - 3/4" - 8" (69 - 203 mm)	Black or Grey EPDM, Silicone	RS101BA	2 - 3/4" (69 mm)	20" x 24" (508 x 609 mm)
1.5	6" - 8" (150 - 203 mm)	Black or Grey EPDM, Silicone	RS151XX	6" (150 mm)	19" x 24" (483 x 609 mm)
2	7" - 11 - 1/2" (177 - 292 mm)	Black or Grey EPDM, Silicone	RS201BA	7" (177 mm)	26" x 30" (660 x 762 mm)
3	11" - 18 - 1/2" (279 - 469 mm)	Black or Grey EPDM, Silicone	RS301BA	11" (279 mm)	35" x 35" (889 x 889 mm)

Master Flash® Residential Lead

- Material: EPDM / Silicone
- 4 sizes / designed for 0" to 18 -1/2" (0 - 469 mm) diameter pipes
- The built in 20º pitch allows adaptability to almost any roof pitch including a 45º one
- Protective coated safe lead base which allows easy hand shaping to fit the sheet profile

Suitable for small format roofing types such as tar paper shingles, cement tiles or ceramic tiles.
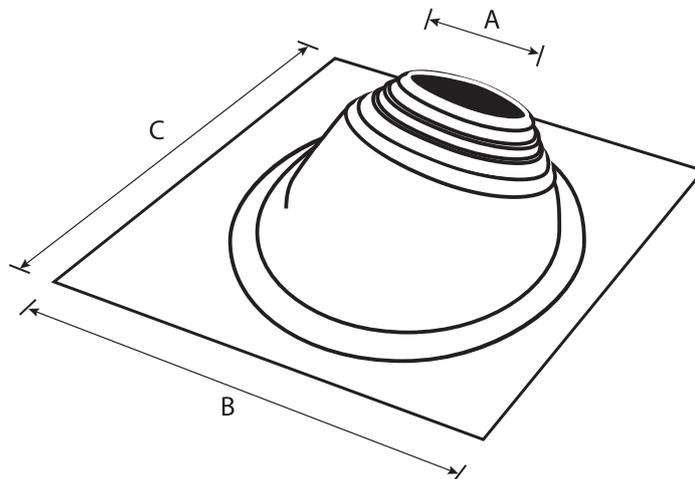
Master Flash® Residential Lead

| No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B x C-Lead Base Dimensions
Mini	Closed - 3 - 1/4" (0 - 82 mm)	Black or Grey EPDM, Silicone	RL051BA	Closed	16" x 19 - 1/4" (410 x 490 mm)
1	2 - 3/4" - 8" (69 - 203 mm)	Black or Grey EPDM, Silicone	RL101BA	2 - 3/4" (69 mm)	20" x 24" (508 x 609 mm)
2	7" - 11 - 1/2" (177 - 292 mm)	Black or Grey EPDM, Silicone	RL201BA	7" (177 mm)	26" x 30" (660 x 762 mm)
3	11" - 18 - 1/2" (279 - 469 mm)	Black or Grey EPDM, Silicone	RL301BA	11" (279 mm)	35" x 35" (889 x 889 mm)

Master Flash® Multi

- Material: EPDM / Silicone
- 9 sizes / designed for 5/8" to 28 - 1/2" (15 - 724 mm) diameter pipes
- Designed with a clear groove to ensure a smooth cut
- Stainless steel gripper available upon request

Two-in-one flashing can be used as Master Flash® Standard or, when cut open, it can be used as Master Flash® Retrofit.
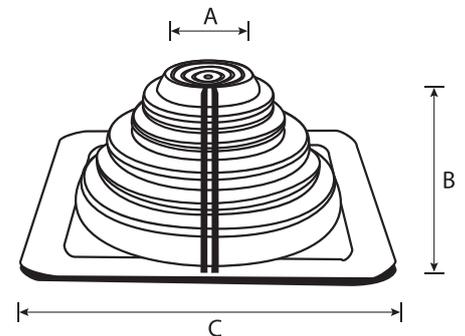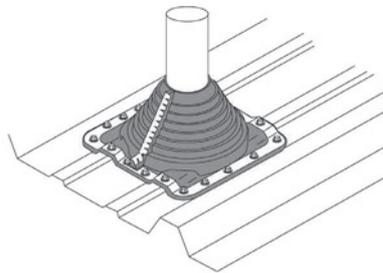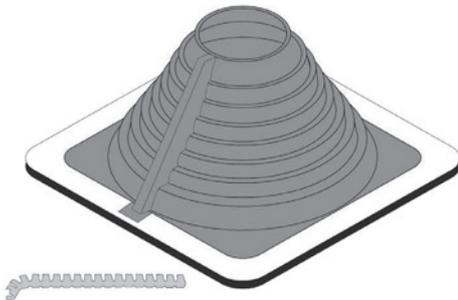
Master Flash ® Multi

| No.	Pipe Range		Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B-Overall height	C-Base Dimensions
	Standard	Retrofit					
2	5/8" - 4" (15 - 101 mm)	1 - 1/8" - 3 - 7/8" (28 - 98 mm)	Black EPDM, Silicone	MF201BA	5/8" (15 mm)	2 - 3/4" (70 mm)	6" (152 mm)
3	Closed - 5 - 3/4" (0 - 146 mm)	2" - 5" (50 - 127 mm)	Black EPDM, Silicone	MF301BA	Closed	3" (76 mm)	8" (203 mm)
4	2 - 3/4" - 7" (69 - 177 mm)	3" - 6 - 1/2" (76 - 165 mm)	Black EPDM, Silicone	MF401BA	2 - 3/4" (69 mm)	4 - 3/4" (121 mm)	10" (254 mm)
5	4" - 8 - 1/4" (101 - 203 mm)	3 - 3/4" - 7" (95 - 177 mm)	Black EPDM, Silicone	MF501BA	4" (101 mm)	4 - 1/2" (114 mm)	11" (279 mm)
6	4 - 3/4" - 10" (121 - 254 mm)	4 - 1/2" - 8 - 1/2" (114 - 215 mm)	Black EPDM, Silicone	MF601BA	4 - 3/4" (121 mm)	4 - 1/2" (114 mm)	12" (304 mm)
7	6" - 11" (152 - 279 mm)	5 - 1/4" - 10" (133 - 254 mm)	Black EPDM, Silicone	MF701BA	6" (152 mm)	5 - 1/2" (140 mm)	14" (355 mm)
8	6 - 3/4" - 12" (171 - 304 mm)	6 - 1/2" - 12 - 3/4" (165 - 323 mm)	Black EPDM, Silicone	MF801BA	6 - 3/4" (171 mm)	5 - 3/4" (146 mm)	17" (431 mm)
9	9 - 1/2" - 20 - 1/2" (241 - 520 mm)	9 - 1/4" - 20 - 1/2" (234 - 520 mm)	Black EPDM, Silicone	MF901BA	9 - 1/2" (241 mm)	5 - 3/4" (146 mm)	25" (635 mm)
Maxi	12" - 28 - 1/2" (304 - 723 mm)	11" - 28" (279 - 711 mm)	Black EPDM, Silicone	MF951BA	12" (304 mm)	7 - 1/2" (190 mm)	34" (863 mm)

Master Flash® Multi Port

- Material: EPDM / Silicone
- 1 size / designed for 0″ to 2 - 3/4″ (0 - 70 mm) diameter pipes
- 4 additional ports to accommodate 1/4″ (6 mm) or 3/8″ (9 mm) lines
- Applicable with photovoltaic solar panels
- Stainless steel gripper available upon request

One design to handle many jobs. The 5-ports offer multiple functions. Can be used when installation is not possible by sliding the flashing down the pipe.
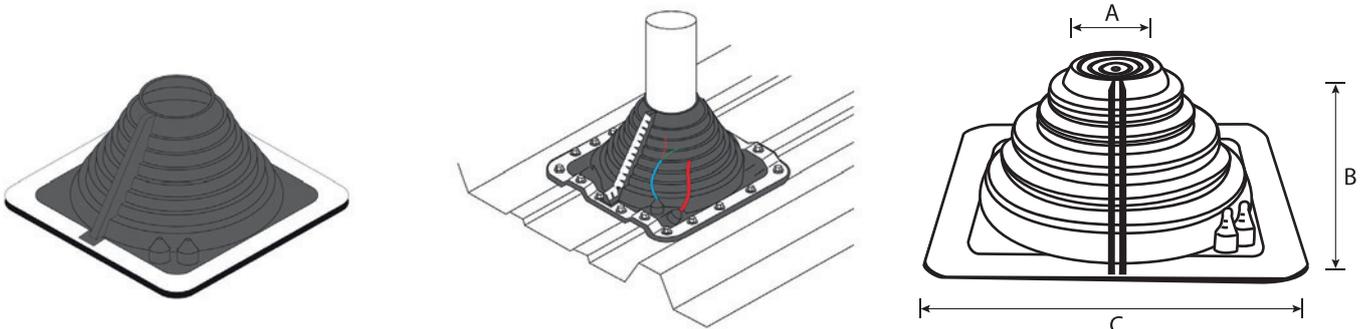
Master Flash ® Multi Port

| No.	Pipe Range		Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B-Overall Height	C-Base Dimensions
	Standard	**Retrofit**					
1	Closed - 2 - 3/4″ (0 - 70 mm)	1 - 1/4″ - 2 - 1/4″ (31 - 57 mm)	Black EPDM, Silicone	MP101BA	Closed	2 - 1/4″ (57 mm)	4 - 1/2″ (114 mm)

Master Flash® Middy

- Material: EPDM / Silicone
- 1 size / designed for 0 - 60 mm diameter pipes
- 1 additional port to accommodate 0 - 9 mm cable
- Applicable with photovoltaic solar panels
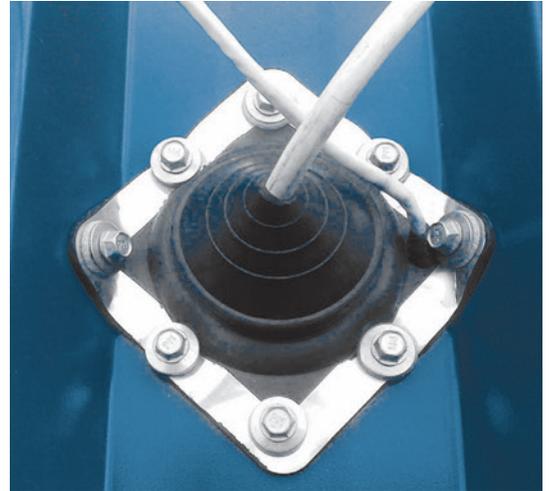
One design to handle many jobs. Its 2-ports offer multiple functions.
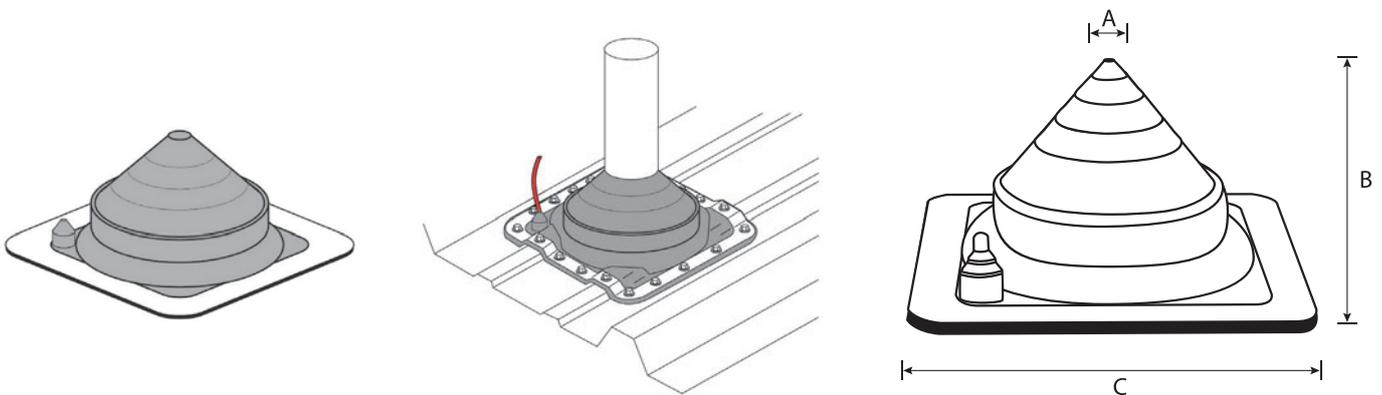
|		**Master Flash ® Middy**				
No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening	B-Overall Height	C-Base Dimensions
1	One centre port for 0" - 2 - 3/8" (0 - 60 mm) pipe /cable One port for 1/64" - 3/8" (1 - 9 mm) pipe /cable	Black or Grey EPDM, Silicone	SQO81BA	Closed	2 - 1/8" (53 mm)	3 - 3/4" (95 mm)

Master Flash® Solar

- Material: EPDM / Silicone
- 1 size / designed for 19 - 28 mm diameter pipes
- Specially developed to seal the pipes of water-heating solar panels
- The pitch canal allows for maximum flexibility, easily accommodating pitches of up to 60º without affecting performance

The adaptable base is designed to mould to most panel configurations and roof pitches regardless of pipe location.
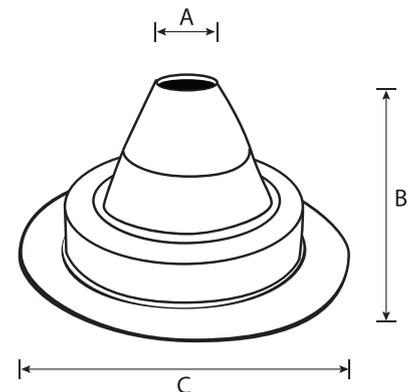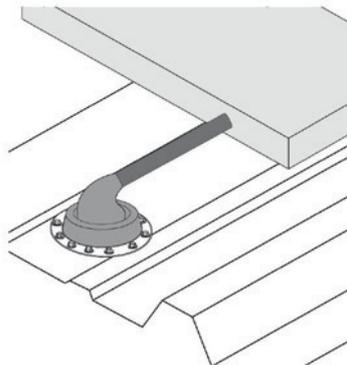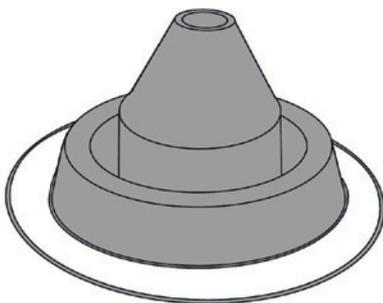
Master Flash ® Solar						
No.	Pipe range	Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B-Overall Height	C-Base Diameter
1	3/4" - 1 - 1/8" (19 - 28 mm)	Black EPDM, Silicone	SF101BA	3/4" - 1 - 1/8" (19 mm - 28 mm)	2 - 1/4" (57 mm)	4" (101 mm)

Master Flash® Solar Multi-Port MR

- Material: EPDM / Silicone
- 1 size / designed for 0 - 49 mm diameter pipes
- 2 additional ports to accommodate 1 - 9 mm cables
- 2 additional ports to accommodate 4 - 23 mm cables
- Designed for air conditioning sector
- Applicable with photovoltaic solar panels

One design to handle many jobs. The 5-ports offer multiple functions.
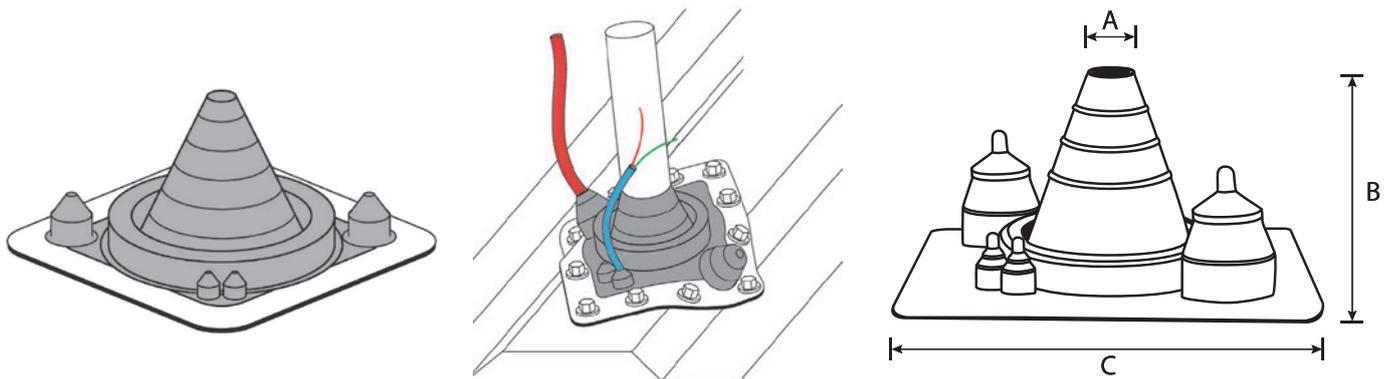
Master Flash ® Solar Multi-Port

| No.	Pipe range	Material	Black EPDM Catalogue Number	A-Top Opening	B-Overall Height	C-Base Dimensions
1	One center port 0" - 1 - 15/16" (0 - 49 mm) Pipe Two ports 1/64" - 3/8" (1 - 9 mm) pipe / cable Two ports 3/16" - 15/16" (4 - 23 mm) pipe / cable	Black or Grey EPDM, Silicone	SMP-MR101BA	Closed	2 - 1/2" (63 mm)	4 - 1/2" (114 mm)

Master Flash® Solar Multi Port Lead

- Material: EPDM / Silicone
- 1 size / designed for 0 - 49 mm diameter pipes
- 2 additional ports to accommodate 1 - 9 mm cables
- 2 additional ports to accommodate 4 - 23 mm cables
- Protective coated, safe lead base
- Applicable with photovoltaic solar panels

One design with multiple functions. Suitable for small format roofing types such as tar paper shingles, cement tiles or ceramic tiles.
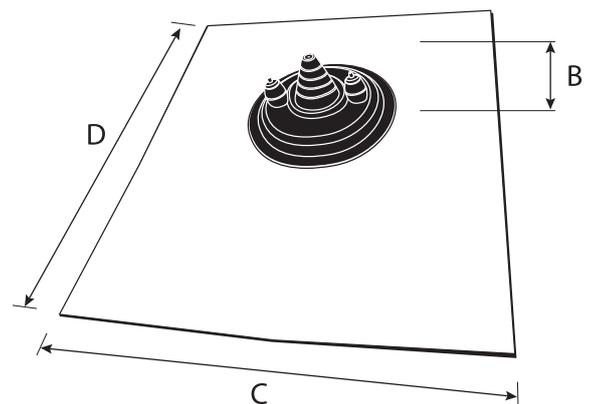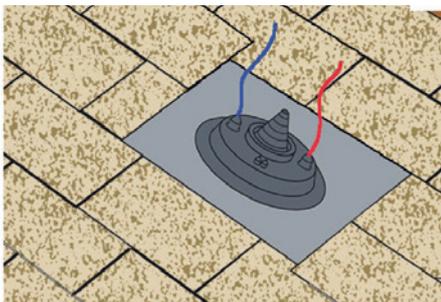
Master Flash ® Solar Multi Port Lead

No.	Pipe Range	Material	Black EPDM Catalogue Number	Top Opening Diameter	B-Overall Height	C x D-Base Dimensions
1	One port 0" - 1 - 15/16" (0 - 49 mm)	Black EPDM, Silicone	SMP-LD101BA	Closed	2 - 1/2" (63 mm)	16" x 19 - 1/4" (410 x 490 mm)
	Two ports 1/64" - 3/8" (1 - 9 mm)					
	Two ports 3/16" - 15/16" (4 - 23 mm)					

Master Flash® Solar Multi Port Aluminium

- Material: EPDM / Silicone
- 1 size / designed for 0 - 49 mm diameter pipes
- 2 additional ports to accommodate 1 - 9 mm cables
- 2 additional ports to accommodate 4 - 23 mm cables
- Environmentally safe lead-free aluminium base
- Applicable with photovoltaic solar panels

One design with multiple functions. Suitable for small format roofing types such as tar paper shingles, cement tiles or ceramic tiles.
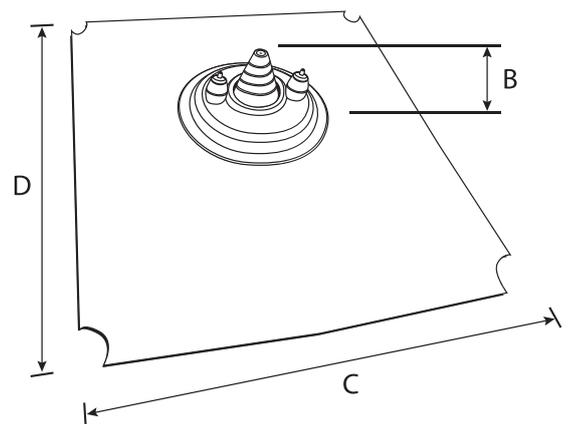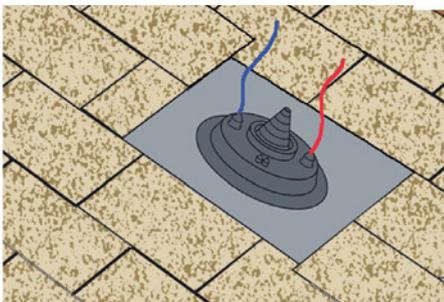
Master Flash® Solar Multi Port Aluminium

| No.	Pipe Range	Material	Black EPDM Catalogue Number	Top Opening Diameter	B-Overall Height	C x D-Base Dimensions
1	One port 0" - 1 - 15/16" (0 - 49 mm)	Black EPDM, Silicone	SMP-RS101BA	Closed	2 - 1/2" (63 mm)	17 - 3/4" x 24" (450 x 600 mm)
	Two ports 1/64" - 3/8" (1 - 9 mm)					
	Two ports 3/16" - 15/16" (4 - 23 mm)					

Master Flash® Standard with 35 year warranty

- Material: EPDM
- 13 sizes / designed for 0″ to 39 - 1/2″ (0 - 1000 mm) diameter pipes
- This flashing is compounded specifically for maximum resistance to weathering due to ozone and ultraviolet light
- Flexible base designed to mould to practically all panel configurations
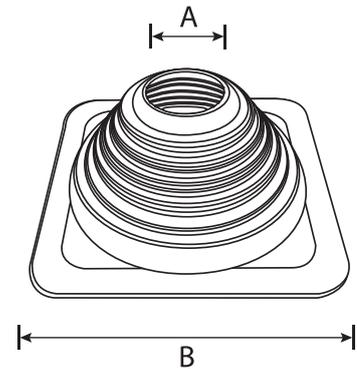
Suitable when installation is possible by sliding the flashing down the pipe.

Master Flash® Standard with 35 year warranty

No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening	B-Base Dimensions
Mini	Closed - 1″ (0 - 25 mm)	Black EPDM	ICC-SQ051BX	Closed	2 - 1/4″ (57 mm)
1	Closed - 2 - 3/4″ (0 - 70 mm)	Black EPDM	ICC-SQ101BX	Closed	4 - 1/2″ (114 mm)
2	5/8″ - 4″ (15 - 101 mm)	Black EPDM	ICC-SQ201BX	5/8″ (15 mm)	6″ (152 mm)
3	Closed - 5 - 3/4″ (0 - 146 mm)	Black EPDM	ICC-SQ301BX	Closed	8″ (203 mm)
4	2 - 3/4″ - 7″ (69 - 177 mm)	Black EPDM	ICC-SQ401BX	2 - 3/4″ (69 m)	10″ (254 mm)
5	4″ - 8 - 1/4″ (101 - 203 mm)	Black EPDM	ICC-SQ501BX	4″ (101 mm)	11″ (279 mm)
6	4 - 3/4″ - 10″ (120 - 254 mm)	Black EPDM	ICC-SQ601BX	4 - 3/4″ (120 mm)	12″ (304 mm)
7	6″ - 11″ (152 - 279 mm)	Black EPDM	ICC-SQ701BX	6″ (152 mm)	14″ (355 mm)
8	6 - 3/4″ - 12″ (171 - 304 mm)	Black EPDM	ICC-SQ801BX	6 - 3/4″ (171 mm)	17″ (431 mm)
9	9 - 1/2″ - 20 - 1/2″ (241 - 520 mm)	Black EPDM	ICC-SQ901BX	9 - 1/2″ (241 mm)	25″ (635 mm)
9X	8″ - 20 - 1/2″ (203 - 520 mm)	Black EPDM	ICC-SQ901BXM	8″ (203 mm)	25″ (635 mm)
Maxi Closed	Closed - 28 - 1/2″ (0 - 724 mm)	Black EPDM	ICC-SQ951BX-C	Closed	34″ (863 mm)
Maxi Open	12″ - 28 - 1/2″ (304 - 724 mm)	Black EPDM	ICC-SQ951BX-O	12″ (304 mm)	34″ (863 mm)

Master Flash® Fix-A-Flash

- Material: EPDM / Silicone
- 1 size / designed for 0" to 15 - 1/2" (0 - 393 mm) diameter pipes
- Large base diameter 19 - 1/2" (495 mm)

When an oversized hole has been cut, this closed-top product is ideal for rectifying error.
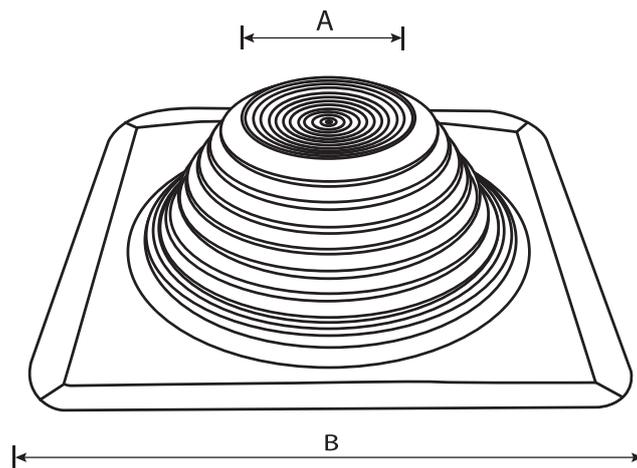
Master Flash ® Fix-A-Flash

| No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening	C-Base Dimensions
8X-C	Closed - 15 - 1/2" (0 - 393 mm)	Black or Grey EPDM, Silicone	FF851BC	Closed	19 - 1/2" (495 mm)

Master Flash® Electrical Mast Connection

- Material: EPDM / Silicone
- 1 size / designed for 0" to 5 - 3/8" (0 - 136 mm) diameter pipes
- The built in 20º pitch allows adaptability to almost any roof pitch including a 45º one
- Easy-to-see pipe diameters made for quick on-site installation
- Available with a stainless steel gripper to secure a retrofit application

Specially designed for the residential roofing industry. Ideal solution for roofs covered in shingle, ceramic or cement tiles.
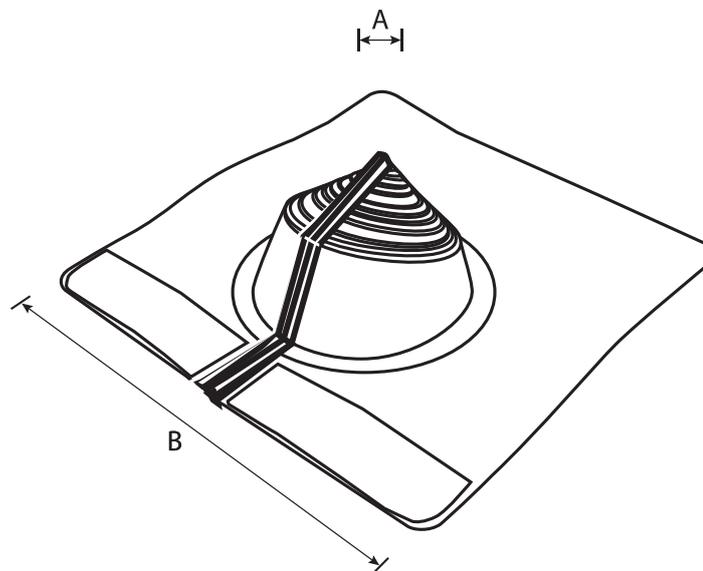
No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B-Base Dimensions
1	Closed - 5 - 3/8" (0 - 136 mm)	Black EPDM, Silicone	EMC101BS	Closed	15" (381 mm)

**Master Flash ® Electrical Mast Connection**

Master Flash® Extreme Angle

- Material: EPDM / Silicone
- 2 sizes / designed for 0" to 8" (0 - 203 mm) diameter pipes
- The built in 40º pitch allows adaptability to almost any roof pitch including a 65º one
- Sleeve flexibility accommodates vibration and pipe movement caused by expansion / contraction
- Easy-on-site customisation

For applications with 35º to 65º angle, while accepting and responding to the most commonly encountered pipe penetrations. Easy on-site customisation accommodates all normal installations.
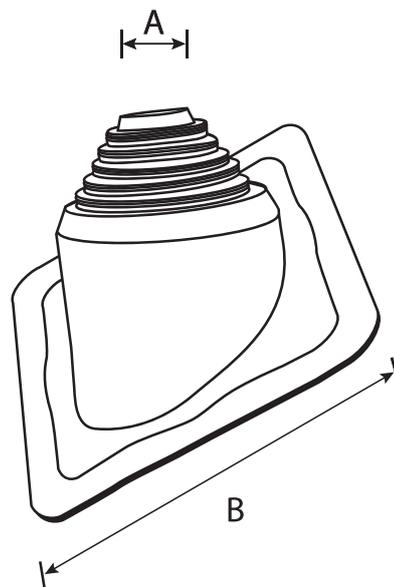
Master Flash® Extreme Angle

| No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening	B-Base Dimensions
1	Closed - 5 - 3/4" (0 - 146 mm)	Black EPDM, Silicone	EA101BA	Closed	11" (279 mm)
2	4" - 8" (101 - 203 mm)	Black EPDM, Silicone	EA201BA	4" (101 mm)	14 - 1/4" (362 mm)

Master Flash® Extreme Angle Multi-Flash

- Material: EPDM / Silicone
- 1 size/ designed for 0″ to 4-3/4″ (0 – 120 mm) diameter pipes
- Standard and Retrofit applications
- Easy-to-use stainless steel gripper for Retrofit applications
- Sleeve flexibility accommodates vibration and pipe movement caused by expansion / contraction
- The built in 40º pitch allows adaptability to almost any roof pitch including a 65º one

For applications with 35º to 65º angle, designed to seal existing pipes/vents that requires a wrap-around existing or hard to reach installation.
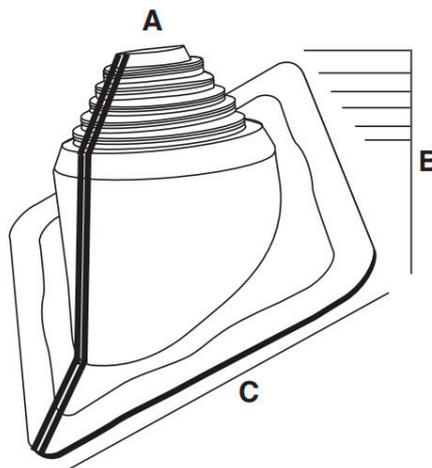
Master Flash ® Extreme Angle

| No.	Pipe Range		Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B-Overall Height
	Standard	Retrofit				
1	11/16″ - 4 - 3/4″ (30 - 120 mm)	5/8″ - 4 - 1/4″ (16 - 108 mm)	Black EPDM, Silicone	EAM101BA-G	Closed	11″ (279 mm)

Master Flash® Multi-Flash Square Vent

- Material: EPDM / Silicone
- 3 sizes / designed for 0" to 19 - 1/4" (0 - 488 mm) diameter pipes
- Standard and Retrofit applications
- Easy-to-use stainless steel gripper and plastic zip tie available upon request

Specially made for square pipes and vents. Designed with a lip to secure plastic zip tie for retrofit applications.
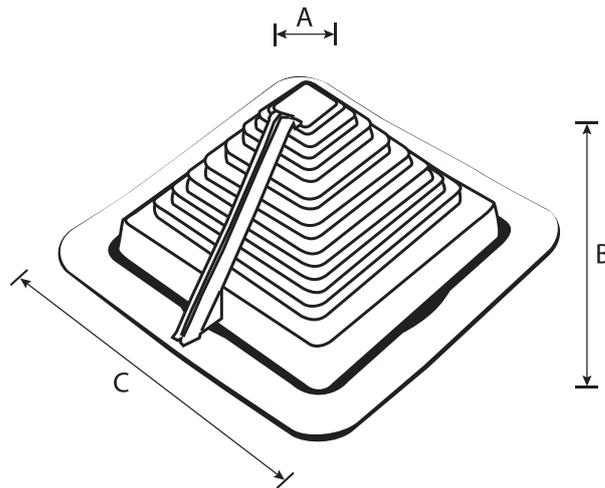
Master Flash® Multi-Flash Square Vent

No.	Pipe Range		Material	Black EPDM Catalogue Number	A-Top Opening	B-Overall Height	C-Base Dimensions
	Standard	Retrofit					
1	Closed - 5" (0 - 127 mm)	3/4" - 4 - 1/2" (20 - 115 mm)	Black EPDM, Silicone	MFSQ101BA	Closed	2 - 3/4" (69 mm)	8" (203 mm)
2	Closed - 10" (0 - 254 mm)	7/8" - 9 - 5/16" (22 - 237 mm)	Black EPDM, Silicone	MFSQ201BA	Closed	4 - 7/16" (112 mm)	14 - 1/4" (361mm)
3	Closed - 19 - 1/8" (0 - 487 mm)	11" - 17 - 1/2" (279 - 444 mm)	Black EPDM, Silicone	MFSQ301BA	Closed	5 - 3/4" (146 mm)	24 - 3/4" (628 mm)

Master Flash® Metal Roof Vent Sealing Adapter
Master Flash® Metal Roof Vent Sealing Adapter Multi-Flash

- Material: EPDM
- Two versions of this product are available:
  - » The standard version is to be used when sliding the flashing down the pipe is possible. This product fits pipes up to 11 - 3/4" (298 mm)
  - » The Multi-Flash version of this product is to be used when sliding the flashing down the pipe is not possible. When used as a Retrofit, this flashing fits pipes from 4" (101 mm) up to 12" (305 mm), though it can slide over smaller pipes
- The ribbed canals allow for maximum flexibility without affecting performance
- The base is designed to mould to most panel configurations and roof pitches regardless of vent location
- A stainless steel gripper and aluminium termination strips are included to ensure a tight seal and secure edges in case of Multi-Flash version
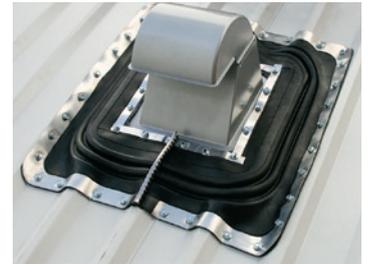
Specifically designed for the metal roofing industry to seal: turbine vents, roof exhaust vents, and metal roof vents.

Master Flash® Metal Roof Vent Sealer Adapter

No.	Material	Black EPDM Catalogue Number	Opening	Square Base
1	Black, Light Grey or Dark Grey EPDM	RVA101BA	11 - 3/4" - 11 - 3/4" (298 - 298 mm)	24" (609 mm)

Master Flash® Metal Roof Vent Sealer Adapter Multi-Flash

No.	Material	Black EPDM Catalogue Number	Opening	Square Base
1	Black, Light Grey or Dark Grey EPDM	RVA101BA-MF	Closed - 12" (0 - 305 mm)	24" (609 mm)

Master Flash® Low-Profile
Master Flash® Low-Profile Multi-Flash

- Material: EPDM / Silicone
- 3 sizes / designed for 0" to 12 - 1/2" (0 - 318 mm) diameter pipes
- Two versions of this product are available, Standard and Multi-Flash
- Widely used in the food industry

Specifically designed for sidewalls or low profile applications.
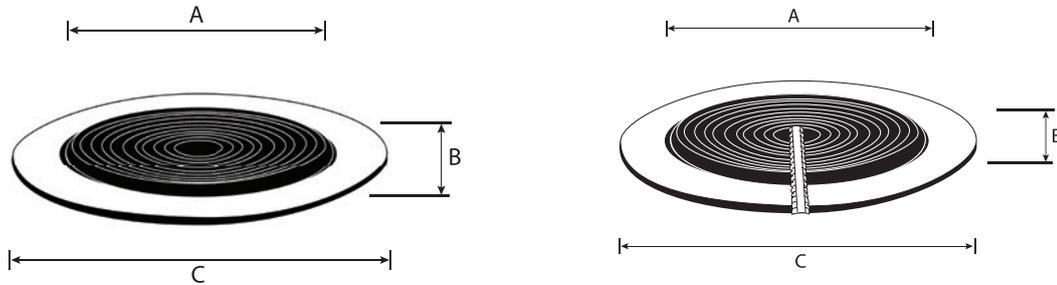
Master Flash® Low-Profile

No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B-Overall Height	C-Base Dimensions
1	Closed - 3 - 3/4" (0 - 95 mm)	Black or Grey EPDM, Silicone	LP101BA	Closed - 3 - 3/4" (0 - 95 mm)	5/16" (8 mm)	6 - 1/4" (158 mm)
2	Closed - 8" (0 - 203 mm)	Black or Grey EPDM, Silicone	LP201BA	Closed - 12 - 1/2" (0 - 203 mm)	5/16" (8 mm)	10 - 3/4 (273 mm)
3	Closed - 12 - 1/2" (0 - 318 mm)	Black or Grey EPDM, Silicone	LP301BA	Closed - 12 - 1/2" (0 - 318 mm)	5/16" (8 mm)	16 - 1/2" (419 mm)

Master Flash® Low-Profile Multi-Flash

| No.	Pipe Range	Material	Black EPDM Catalogue Number	A-Top Opening Diameter	B-Overall Height	C-Base Dimensions
1	Closed - 3 - 3/4" (0 - 95 mm)	Black or Grey EPDM, Silicone	LP101BA-G	Closed - 3 - 3/4" (0 - 95 mm)	5/16" (8 mm)	6 - 1/4" (158 mm)
2	Closed - 8" (0 - 203 mm)	Black or Grey EPDM, Silicone	LP201BA-G	Closed - 8" (0 - 203 mm)	5/16" (8 mm)	10 - 3/4 (273 mm)
3	Closed - 12 - 1/2" (0 - 318 mm)	Black or Grey EPDM, Silicone	LP301BA-G	Closed - 12 - 1/2" (0 - 318 mm)	5/16" (8 mm)	16 - 1/2" (419 mm)

Master Flash® Box Gutter Expansion Joint

- Material: Grey EPDM
- Available in combinations of the following widths: 9" (228 mm); 12" (304 mm); 18" (457 mm) and lengths: 12' (3.6 m); 33' (10 m); 50' (15 m)
- Box Gutter Expansion Joint can be used for sealing roof and wall penetration whenever standard Master Flash® products do not match the pipe diameter
- Standard applications are transition walls, parapet walls, stepped roofs, corrugated metal roofs, roof penetrations, expansion joint and skylights
- Flexible metal sides allow for easy installation

Termination strip included
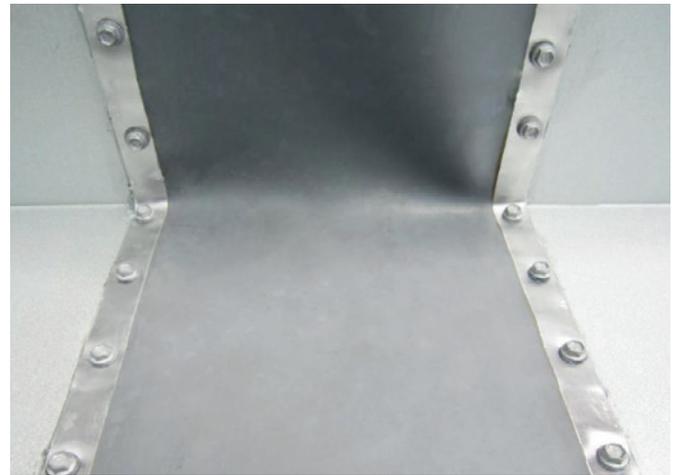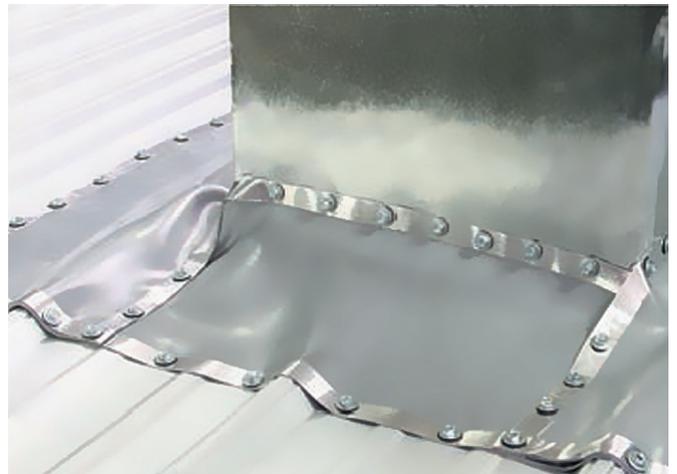
Master Flash® Box Gutter Expansion Joint

Material	Catalogue Number	Width	Length
Grey EPDM	LF067G9 - 12	9" (228 mm)	12' (3.6 m)
Grey EPDM	LF067G9 - 33	9" (228 mm)	33' (10 m)
Grey EPDM	LF067G9 - 50	9" (228 mm)	50' (15 m)
Grey EPDM	LF067G12 - 12	12" (304 mm)	12' (3.6 m)
Grey EPDM	LF067G12 - 33	12" (304 mm)	33' (10 m)
Grey EPDM	LF067G12 - 50	12" (304 mm)	50' (15 m)
Grey EPDM	LF067G18 - 12	18" (457 mm)	12' (3.6 m)
Grey EPDM	LF067G18 - 33	18" (457 mm)	33' (10 m)
Grey EPDM	LF067G18 - 50	18" (457 mm)	50' (15 m)

Comparing Technical Performance

Graph Key Code:

■ Black EPDM

■ Grey EPDM

■ Black EPDM w/ IR Radiation & UV Radiation Aged 70 Hours @ 100ºC

■ Grey EPDM w/ IR Radiation & UV Radiation Aged 70 Hours @ 100ºC


Universal Master Flash®


Competitor's Product

Tensile strength
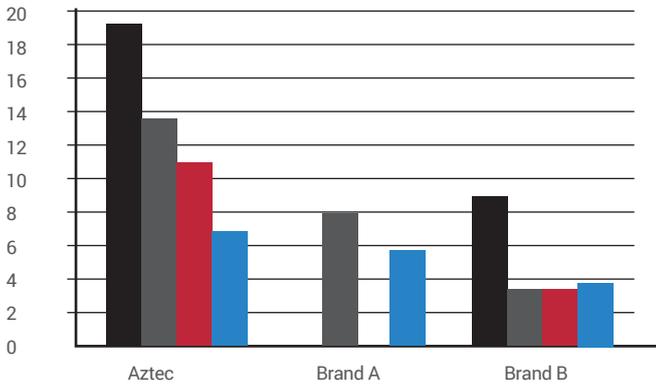
Tensile strength - The results are given in the "MPa" unit. This is the maximum stress that a material can withstand whilst being stretched or pulled before snapping, tearing or breaking. After 70 hours at 100°C, Master Flash® shows better tensile strength compared to other brands.

Hardness
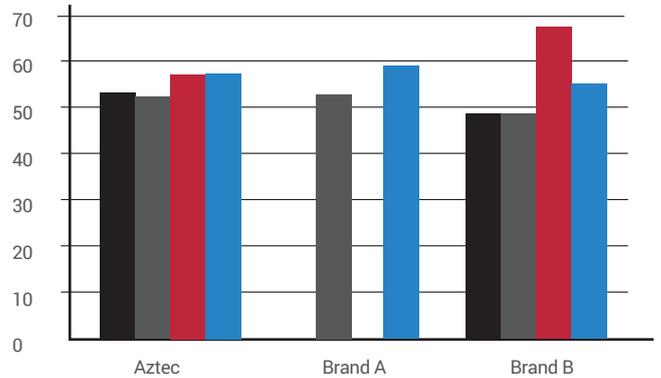
Hardness - Hardness is determined by the "Shore'A" degree. Harder rubber breaks down and becomes brittle faster. This means that when exposed to UV or sunlight, it will damage and ultimately leak. In independent testing with products subjected to 70 hours at 100°C, Master Flash® hardness increased by 2.3 points, whilst other brands increased by 15 points.

Elongation
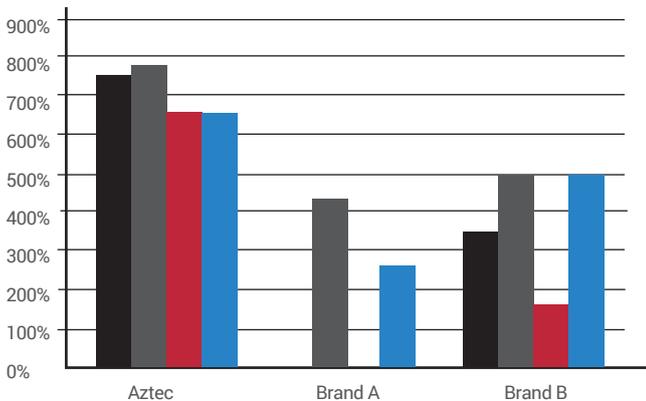
Elongation - The test results are given in "%". This test measures how much rubber stretches before it snaps or breaks. For example, a 1" square of Master Flash® EPDM could stretch 600% whilst other brands manage significantly less. This is very important, making installation easier and faster when the flashing is cut 20-30% smaller than the pipe. Equally important is the life of the product as pipes expand and contract with the elements, and the flashing used needs to accommodate these changes.

Tear
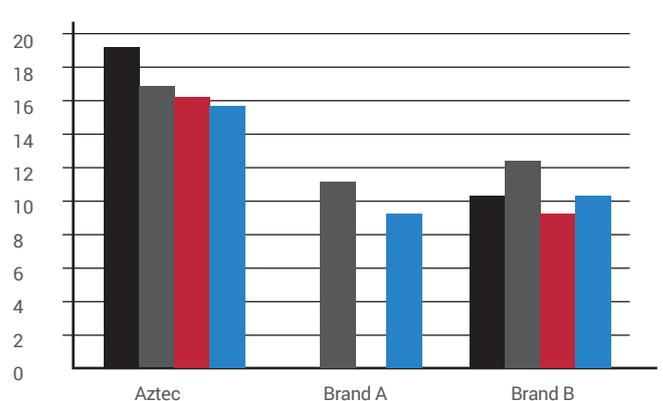
Tear - The test results are given in "Nm". This test measures the pressure that a tear in the material can withstand before it continues to run down the side of the product. After independent testing of 70 hours exposed to 100°C, Master Flash® tear resistance in grey EPDM resisted better than other brands.

Master Flash® Standard and Master Flash® Universal can be purchased in different colours, including brown, black, light grey, dark green, light green, dark blue, light blue, bright red and terra cotta (red clay appearance).

BASE   SIZE   COLOUR
SQ 301 BN

STANDARD	COLOUR	PART NUMBER	RAL No. (the colour may differ from the given number)	UNIVERSAL	COLOUR	PART NUMBER	RAL No. (the colour may differ from the given number)
	Black	SQ301BA	RAL9004		Black	RD301BE	RAL9004
	Brown	SQ301BN	RAL8028		Brown	RD301BN	RAL8028
					Dark Grey	RD301NG	RAL7040
	Grey	SQ301GA	RAL7035		Grey	RD301GG	RAL7035
	White	SQ301WT	RAL9010		White	RD301WT	RAL9010
	Dark Green	SQ301DG	RAL6002		Dark Green	RD301DG	RAL6002
	Light Green	SQ301LG	RAL6017		Light Green	RD301LG	RAL6017
	Dark Blue	SQ301DB	RAL5019		Dark Blue	RD301DB	RAL5019
	Light Blue	SQ301LB	RAL5024		Light Blue	RD301LB	RAL5024
	Bright Red	SQ301BR	RAL3013		Bright Red	RD301BR	RAL3013
	Terra Cotta	SQ301TC	RAL8004		Terra Cotta	RD301TC	RAL8004
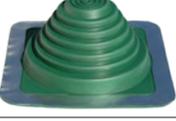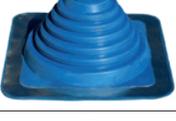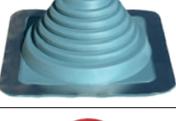
Although colour stabilizers are milled into primary raw material, a slight fading can be expected, but the properties and guarantees will not be affected.

![Aztec International logo]

Master Flash® Accessories

STAINLESS STEEL BAND

Width [mm]	Length [mm]	Master Flash® Size Catalogue Number	Code MF#
Stainless steel band			
8	300	SQ101BA	MF #1
8	400	SQ201BA	MF #2
8	500	SQ301BA	MF #3
8	700	SQ401BA	MF #4
8	800	SQ501BA	MF #5
8	1000	SQ601BA	MF #6
8	1100	SQ701BA	MF #7
8	1200	SQ801BA	MF #8
8	1800	SQ901BA	MF #9
8	2500	SQ951BA	MF MAXI

Available in other lengths or a continuous strip. The band and the lock are made of stainless steel AISI 304, suitable for high corrosion risk environment.

STAINLESS STEEL GRIPPER

Width [mm]	Length [mm]	Master Flash® Size #
Stainless steel gripper		
8	60	1
8	70	2
8	90	3
8	110	4
8	130	5
8	150	6
8	150	7
8	180	8
8	220	9
8	390	Maxi

The gripper is made of stainless steel AISI 304, suitable for high corrosion risk environment.

Silicone 40 ml

Silicone 80 ml

Installation - Master Flash® Standard

1

Select an appropriate Master Flash® Standard with a pipe range that goes below and beyond fitting. If necessary, use the lines clearly shown on the flashing to trim an opening 20 - 30% smaller than pipe diameter. For the steep roof slopes or higher corrugation of the profile, bigger size of Master Flash® should be chosen.


2

Slide the Master Flash® down the pipe, using a non-petroleum-based lubricant to ease installation.

3

Press Master Flash® down, bending it to conform to roof profile or irregularities. A blunt tool will help to form flashing to tight roof angles.

4

Apply sealant between the base of the flashing and the roof.

5

Use fasteners to complete sealing. For a secure installation, fastener spacing must not exceed 1.5" (38 mm).

Installation - Master Flash® Residential

1

Select an appropriate Master Flash® Residential with a pipe range that goes below and beyond fitting. If necessary, follow the lines clearly shown on the flashing and use pliers to pull the tab to create an opening 20 - 30% smaller than pipe diameter. For the steep roof slopes or higher corrugation of the profile, bigger size of Master Flash® should be chosen.

2

Finish adjustments to flashing opening by hand.

3

Apply sealant on the underneath of the metal base

4

Slide the Master Flash® Residential down the pipe, using a non-petroleum-based lubricant to ease installation.

5

Cut shingles to fit to the top of the flashing, allowing the flashing's metal base to sit on top of roof tiles.

6

Secure and fasten the metal base to the roof.

7

Install tiles at the sides of the Master Flash® Residential.

8

Complete installation of roof tiles over the Master Flash® Residential's metal sheet base.

Installation - Master Flash® Multi

1 Select an appropriate Master Flash® Multi-Flash with a pipe range that goes below and beyond fitting. If necessary, follow the lines clearly shown on the flashing and create an opening 20-30% smaller than pipe diameter. For the steep roof slopes or higher corrugation of the profile, bigger size of Master Flash® should be chosen.
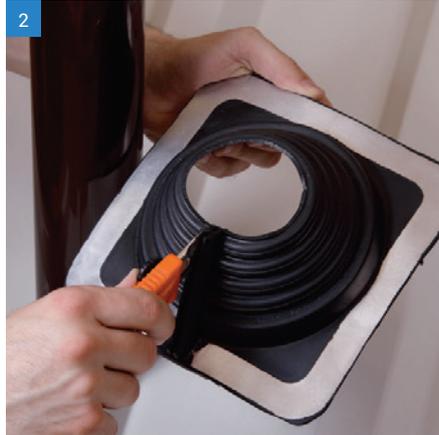
2 If using this product as a Retrofit, cut down the side in the clearly-marked flange.

3 Slide the Master Flash® Multi-Flash down the pipe, using a non-petroleum-based lubricant to ease installation. For Retrofit applications, wrap the product around the pipe.


4 Press Master Flash® Multi-Flash down, bending it to conform to roof profile or irregularities. A blunt tool will help to form flashing to tight roof angles.
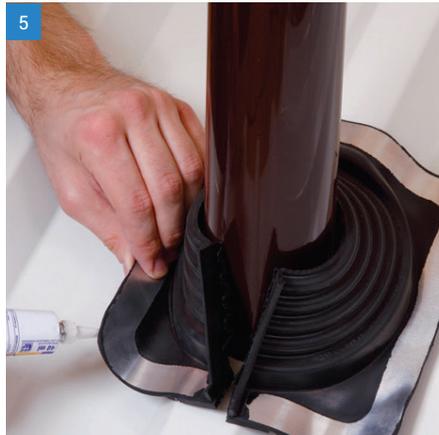
5 Apply sealant between the base of the flashing and the roof, as well as at the top of the flange.
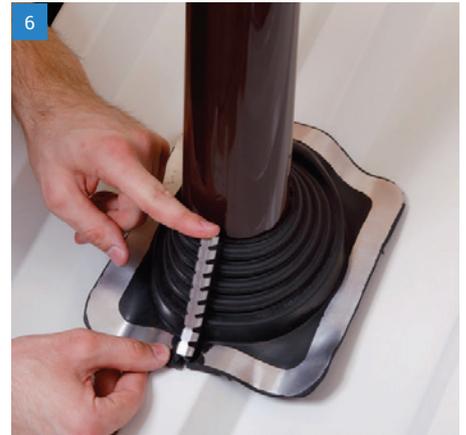
6 Place the stainless steel gripper on the flange to close and secure the Master Flash® Multi-Flash.

7 Tighten the stainless steel gripper.
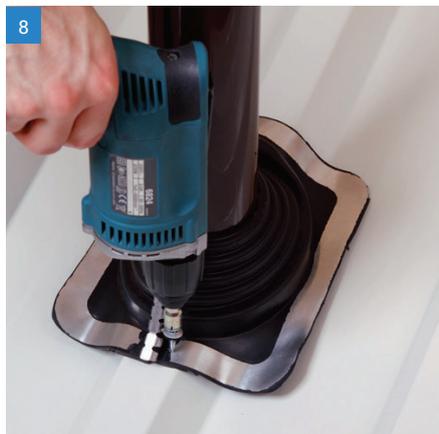
8 Use fasteners to complete sealing. For a secure installation, fastener spacing must not exceed 1.5" (38mm).


9 Additional sealant may be applied between the flashing and the pipe. Apply as needed.

Installation - Master Flash® Retrofit

1 Select an appropriate Master Flash® Retrofit with a pipe range that goes below and beyond fitting. If necessary, follow the lines clearly shown on the flashing and create an opening 10-20% smaller than pipe diameter. Slice down the flange. For the steep roof slopes or higher corrugation of the profile, bigger size of Master Flash® should be chosen.
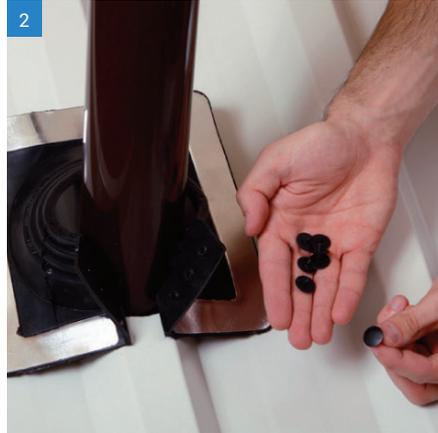
2 Wrap Master Flash® Retrofit around the pipe and install all snap rivets to seal the flange.
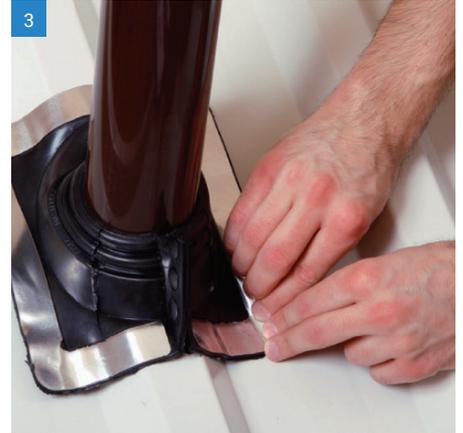

3 Press Master Flash® Retrofit down, bending it to conform to roof profile or irregularities. A blunt tool will help to form flashing to tight roof angles.
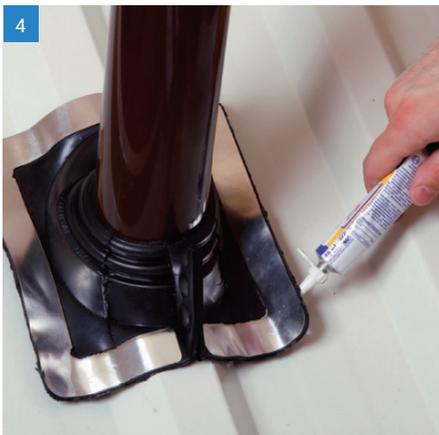

4 Apply sealant between the base roof and at the top of the flange.
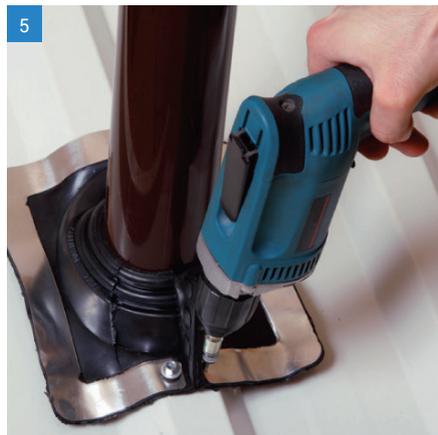

5 Use fasteners to complete sealing. For installation, fastener spacing must not exceed 1.5" (38 mm).
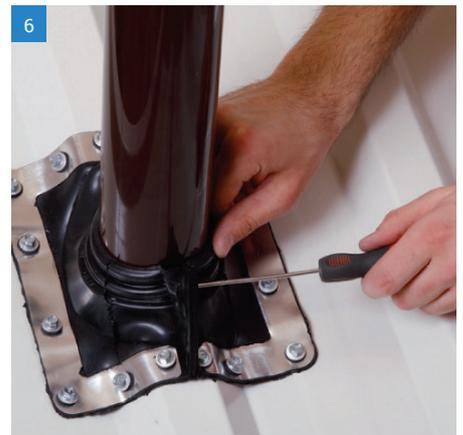
6 Make a hole in the flange to insert a cable tie or steel band depending on product material.
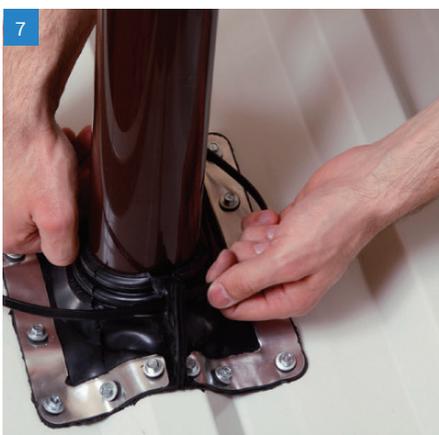
7 Slide the cable tie through the hole, ensuring that it is resting on the flashing.
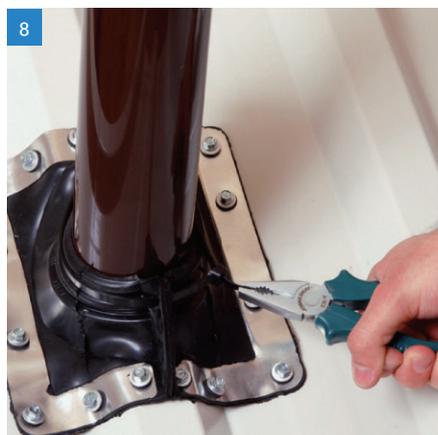
8 Put the cable through the hole to assure tight fitting.
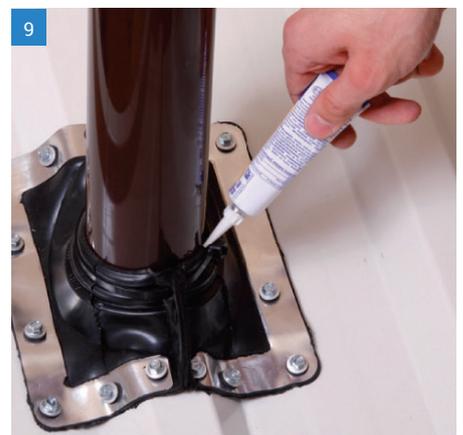
9 Additional sealant may be applied between the flashing and the pipe. Apply as needed.

Installation - Master Flash® Low Profile

Select an appropriate Master Flash® Low Profile with a pipe range that goes below and beyond fitting. If necessary, use the lines clearly shown on the flashing to trim an opening 20-30% smaller than pipe diameter.

Slide the Master Flash® Low Profile down the pipe, using a non-petroleum-based lubricant to ease installation.

Press Master Flash® Low Profile down, bending it to conform to roof profile or irregularities. A blunt tool will help to form flashing to tight roof angles.

Apply sealant between the base of the flashing and the roof.

Use fasteners to complete sealing. For a secure installation, fastener spacing must not exceed 1.5" (38 mm).

![Aztec International logo]
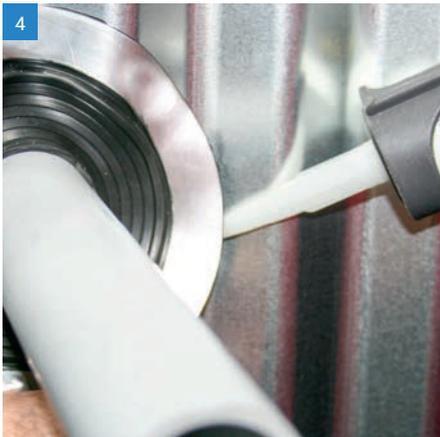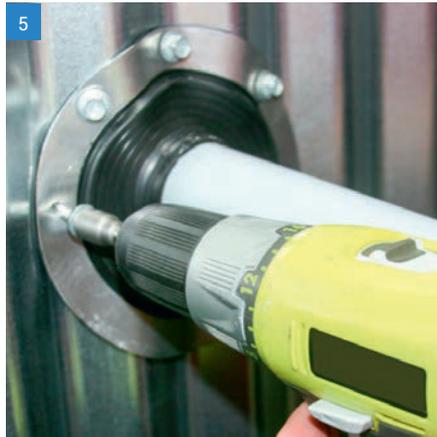
Master Flash® - full range of products
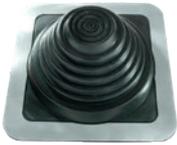
MASTER FLASH®
STANDARD

MASTER FLASH®
UNIVERSAL

MASTER FLASH®
UNIVERSAL RETROFIT

MASTER FLASH®
RETROFIT

MASTER FLASH®
RETROFIT SQUARE
VENT

MASTER FLASH®
RESIDENTIAL
ALUMINIUM

MASTER FLASH®
RESIDENTIAL LEAD

MASTER FLASH®
MULTI
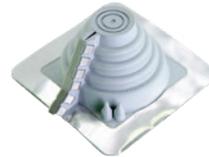
MASTER FLASH®
MULTI PORT
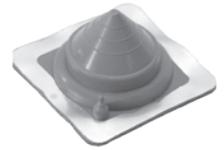
MASTER FLASH®
MIDDY

MASTER FLASH®
SOLAR

MASTER FLASH®
SOLAR
MULTI-PORT MR

MASTER FLASH®
SOLAR MULTI PORT
LEAD

MASTER FLASH®
SOLAR
MULTI PORT
ALUMINIUM

MASTER FLASH®
STANDARD WITH 35
YEAR WARRANTY
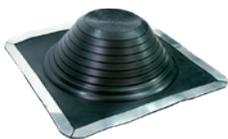
MASTER FLASH®
FIX-A-FLASH

MASTER FLASH®
ELECTRICAL MAST
CONNECTION
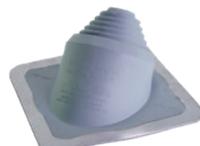
MASTER FLASH®
EXTREME
ANGLE

MASTER FLASH®
EXTREME ANGLE
MULTI FLASH

MASTER FLASH®
MULTI-FLASH SQUARE
VENT

MASTER FLASH®
MINI-PORT

MASTER FLASH®
LOW-PROFILE
MULTI-FLASH

MASTER FLASH®
LOW-PROFILE
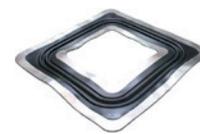
MASTER FLASH®
METAL ROOF VENT
SEALING ADAPTER
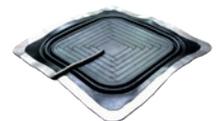
MASTER FLASH®
METAL ROOF VENT
SEALING ADAPTER
MULTI-FLASH

MASTER FLASH®
METAL ROOF SEALING
TAPE

MASTER FLASH®
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EXPANSION JOINT

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