

MASTER FLASH®

Product Catalogue



Master Flash®

Master Flash® products guarantee watertight sealing around external pipes.

Made of EPDM material, all flashings are high temperature and UV resistant with a high tensile strength. Flashings made of silicone can withstand even temperatures above 250 degrees Celsius.

Engineered for profiled roofing materials, Master Flash® is easy to customize on site to accommodate to a wide range of pipe and vent diameters. Our broad Master Flash® product range allows to find sealing solutions also for other roofing types such as ceramic or cement tiles, membranes and plastic.

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

Ribbed base together with applied sealant improves waterproof performance.

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

Aztec offers flashings :

- for a square tubing
- for industrial and residential buildings
- with square base and round base
- for solar panels applications
- made of black EPDM
- in a wide range of EPDM colours (on special request)
- made of silicone (on special request)
- with 35 year manufacturer warranty (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)	-55° C (-67° F)
TENSILE SET maximum		10 MPa (1450 psi)	5 MPa (700 psi)
COMPRESSION SET maximum		25%	50%

Master Flash® products may also be ordered as a set, including sealant and fasteners.

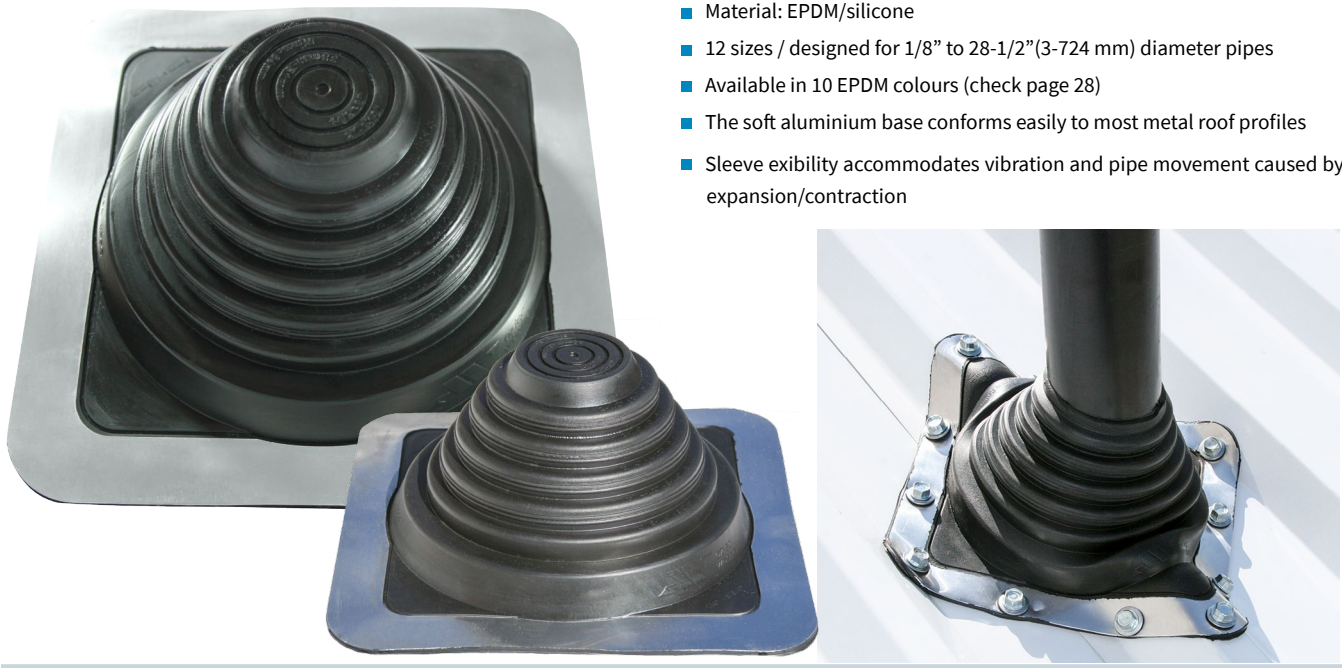
Standard types and diameters- please check for availability

Master Flash® Standard

35 YEAR WARRANTY*

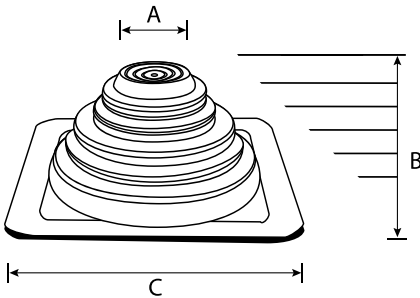
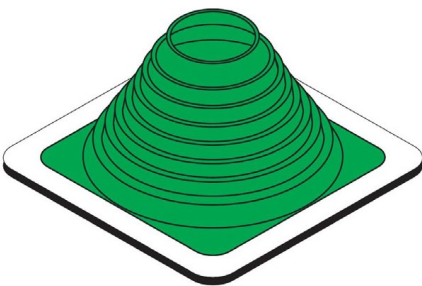
20 YEAR WARRANTY

* available on special request.
Ask our Sales Department.



- Material: EPDM/silicone
- 12 sizes / designed for 1/8" to 28-1/2"(3-724 mm) diameter pipes
- Available in 10 EPDM colours (check page 28)
- The soft aluminium base conforms easily to most metal roof profiles
- Sleeve exibility accommodates vibration and pipe movement caused by expansion/contraction

Applicable when installation is possible by sliding the flashing down the pipe.



Master Flash® Standard						
No.	Pipe size	Material	Catalogue number	A-Top opening	B-Cut to suit pipe size	C-Base dimensions
Mini	1/8" - 3/4" 3 - 19 mm	Black & Colour EPDM, silicone	SQ051BA	Closed	1/8" - 3/4" (3 - 19 mm)	2 1/4" (57,2 mm)
1	1/4" - 2 3/4" 6 - 70 mm	Black & Colour EPDM, silicone	SQ101BA	Closed	1/4" - 2 3/4" (6 - 70 mm)	4 1/2" (114,3 mm)
2	7/8" - 4" 22 - 101 mm	Black & Colour EPDM, silicone	SQ201BA	7/8" (22 mm)	7/8" - 4" (22 - 101 mm)	6" (152,4 mm)
3	1 1/4" - 5 3/4" 6 - 146 mm	Black & Colour EPDM, silicone	SQ301BA	Closed	1/4" - 5 3/4" (6 - 146 mm)	8" (203 mm)
4	2 3/4" - 7" 70 - 177 mm	Black & Colour EPDM, silicone	SQ401BA	2-1/4" (57 mm)	2-3/4" - 7" (70 - 177 mm)	10" (254 mm)
5	4" - 8 1/4" 101 - 209 mm	Black & Colour EPDM, silicone	SQ501BA	3-1/2 (89 mm)	4" - 8-1/4" (101 - 209 mm)	11" (280 mm)
6	4 3/4" - 10" 121 - 254 mm	Black & Colour EPDM, silicone	SQ601BA	3-3/4" (95 mm)	4-3/4" - 10" (121 - 254 mm)	12" (305 mm)
7	5 1/2" - 11 1/2" 140 - 292 mm	Black & Colour EPDM, silicone	SQ701BA	4-3/4" (120 mm)	5-1/2" - 11-1/2" (140 - 292 mm)	14" (356 mm)
8	6 3/4" - 13 1/2" 171 - 343 mm	Black & Colour EPDM, silicone	SQ801BA	5-1/2" (140 mm)	6-3/4" - 13-1/2" (171 - 343 mm)	17" (432 mm)
9	9 1/2" - 20 1/2" 241 - 520 mm	Black & Colour EPDM, silicone	SQ901BA	8" (203 mm)	9-1/2" - 20-1/2" (241 - 520 mm)	25" (635 mm)
Maxi Closed	0" - 28 1/2" 0 - 724 mm	Black & Colour EPDM, silicone	SQ951BA-C	Closed	0" - 28-1/2" (0 - 724 mm)	34" (864 mm)
Maxi Open	12" - 28 1/2" 304 - 724 mm	Black & Colour EPDM, silicone	SQ951BA	10-1/4" (260 mm)	12" - 28-1/2" (304 - 724 mm)	34" (864 mm)

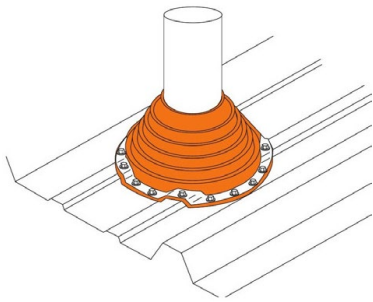
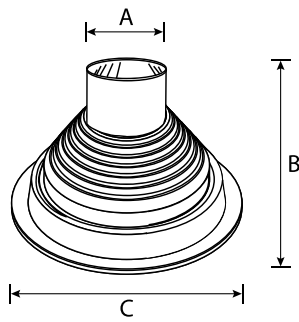
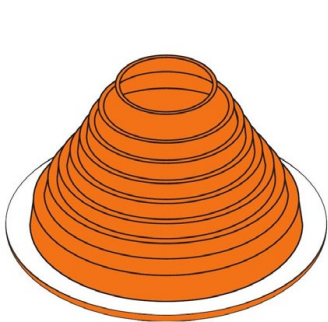
Master Flash® Universal

20 YEAR WARRANTY



- Material: EPDM/silicone
- 10 sizes / designed for 1/4" to 19"(6 - 482 mm) diameter pipes
- Available in 11 EPDM colours (check page 28)
- The base is designed to mould to most panel configurations and roof pitches regardless of pipe location

Applicable when installation is possible by sliding the flashing down the pipe.



Master Flash® Universal						
No.	Pipe size	Material	Catalogue number	A-Top opening	B-Overall height	C-Base dimensions
Mini	Closed" - 3/4" (Closed - 19 mm)	Black & Grey EPDM	RD051BE	Closed	1-1/2" (38 mm)	4" (101 mm)
1	1/4" - 2 1/2" 6 - 63 mm	Black & Colour EPDM, silicone	RD101BE	Closed	3-1/4" (82 mm)	4-3/4" (120 mm)
2	1 3/4" - 3" 44 - 76 mm	Black & Colour EPDM, silicone	RD201BE	1-1/4" (31 mm)	4" (101 mm)	6-1/4" (158 mm)
3	1/4" - 5" 6 - 127 mm	Black & Colour EPDM, silicone	RD301BE	Closed	4" (101 mm)	7-3/4" (196 mm)
4	3" - 6 1/4" 76 - 158 mm	Black & Colour EPDM, silicone	RD401BE	2-1/4" (57 mm)	4-3/4" (120 mm)	9-1/4" (234 mm)
5	4 1/4" - 7 3/4" 108 - 196 mm	Black & Colour EPDM, silicone	RD501BE	3-1/2" (88 mm)	4-1/4" (107 mm)	10-1/2" (266 mm)
6	5" - 9" 127 - 228 mm	Black & Colour EPDM, silicone	RD601BE	5" (127 mm)	6" (152 mm)	13" (330 mm)
7	6" - 11" 152 - 279 mm	Black & Colour EPDM, silicone	RD701BE	5-1/2" (139 mm)	5-1/2" (139 mm)	14-1/2" (368 mm)
8	7" - 13" 177 - 330 mm	Black & Colour EPDM, silicone	RD801BE	6" (152 mm)	6" (152 mm)	16-1/2" (412 mm)
9	9" - 19" 228 - 482 mm	Black & Colour EPDM, silicone	RD901BE	7-3/4" (196 mm)	9" (228 mm)	25 -1/4" (641 mm)

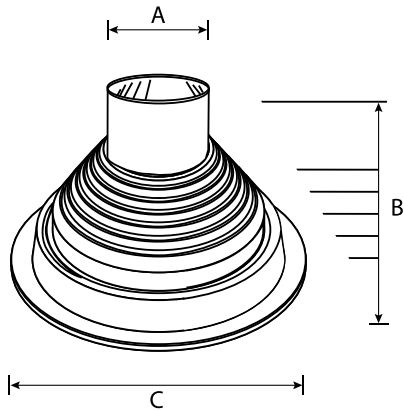
Master Flash® Universal Retrofit

20 YEAR WARRANTY

- Material: EPDM/silicone
- 3 sizes / designed for 3/4" to 10"(19-254 mm) diameter pipes
- Stainless steel gripper to secure a retrofit cut included



Ideal solution when installation by sliding the flashing down the pipe is not possible

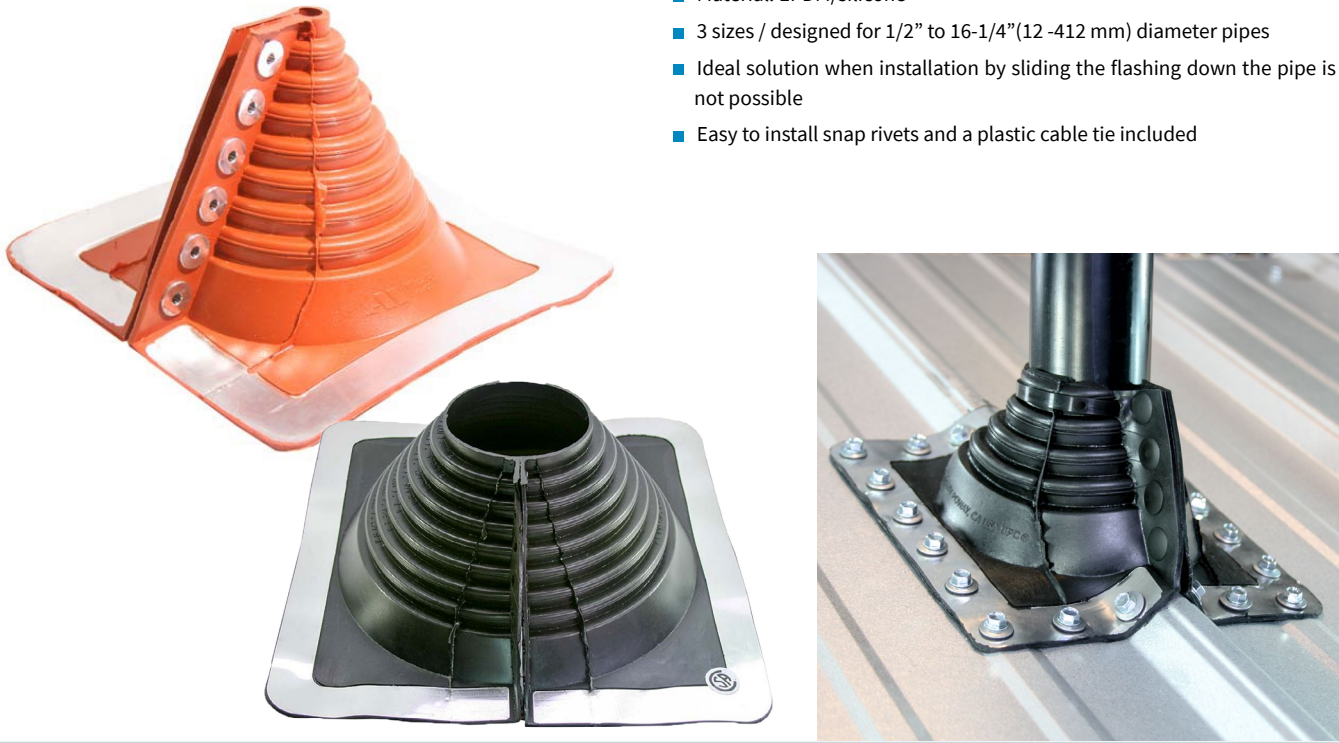


Master Flash® Universal Retrofit						
No.	Pipe size	Material	Catalogue number	A-Top opening diameter	B-Cut to suit pipe size	C-Base dimensions
1	3/4" - 2 3/4" 19 - 70 mm	Black & Colour EPDM, silicone	RF101BS	3/4"(19 mm)	3/4" - 2-3/4" (19 - 69 mm)	6 - 1/4" (158 mm)
2	2" - 7 1/4" 50 - 184 mm	Black & Colour EPDM, silicone	RF201BS	2" (50 mm)	2" - 7-1/4" (50 - 184 mm)	10-3/4" (273 mm)
3	3 1/4" - 10" 95 - 254 mm	Black & Colour EPDM, silicone	RF301BS	3-1/4 (50 mm)	3-1/4" - 10" (95 - 254 mm)	14-1/2" (368 mm)

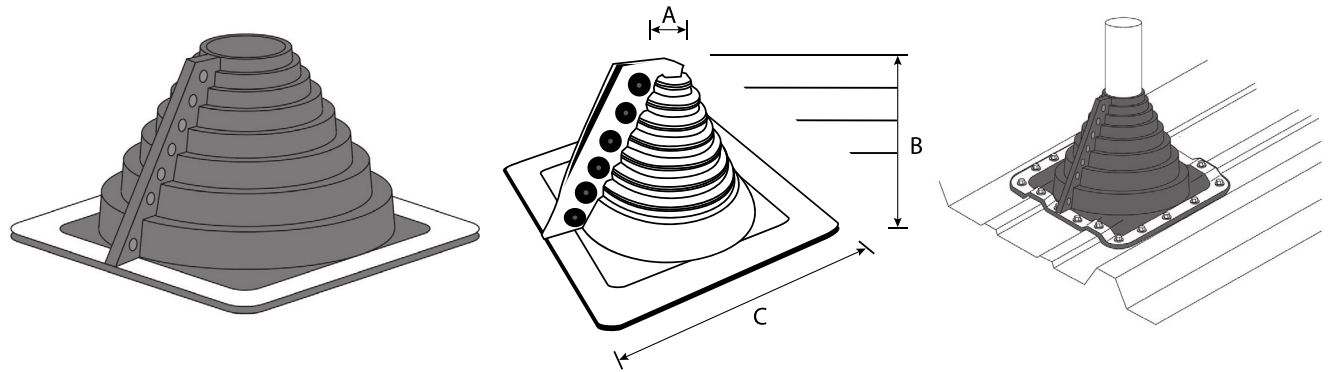
Master Flash® Retrofit

20 YEAR WARRANTY

- Material: EPDM/silicone
- 3 sizes / designed for 1/2" to 16-1/4"(12 -412 mm) diameter pipes
- Ideal solution when installation by sliding the flashing down the pipe is not possible
- Easy to install snap rivets and a plastic cable tie included



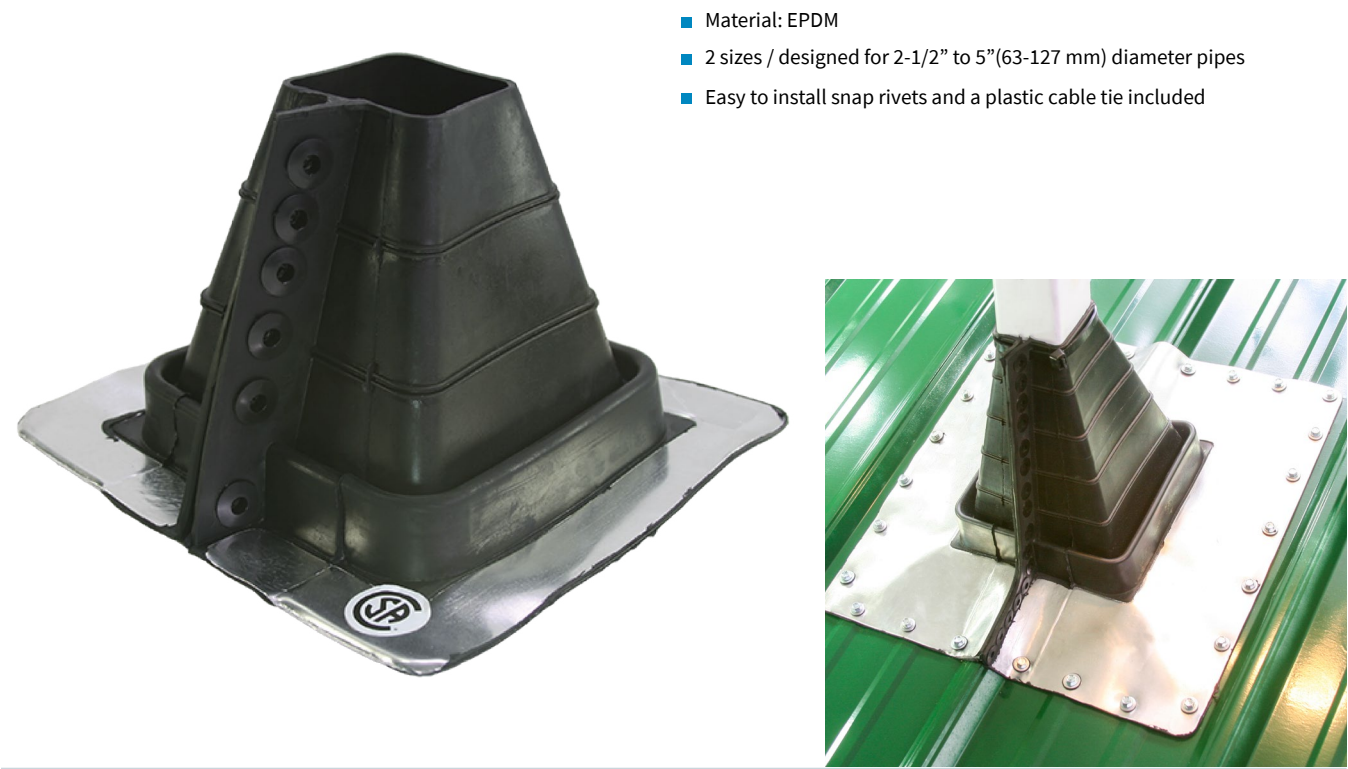
This flashing is designed for special tasks. Modification Made Simple - Easy to see pipe diameters make for simple on-site customization.



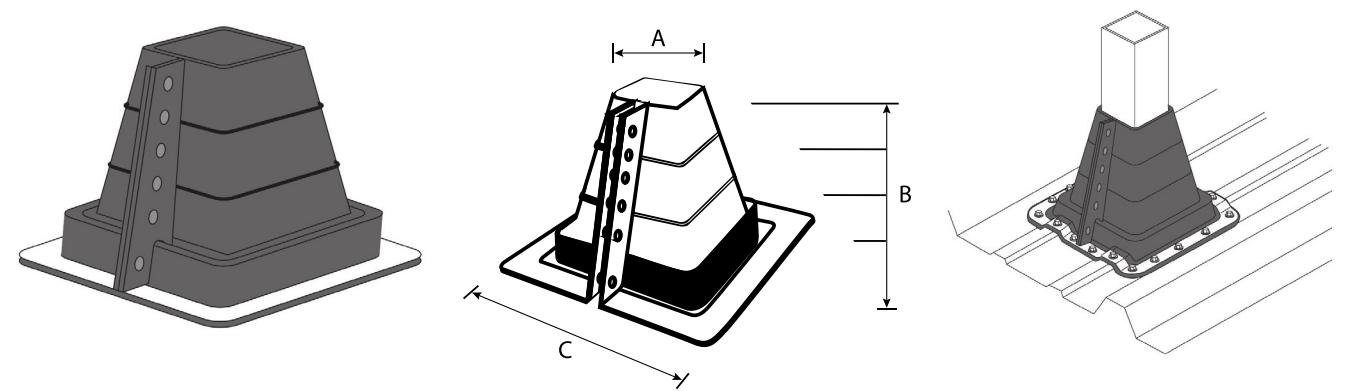
Master Flash® Retrofit						
No.	Pipe size	Material	Catalogue number	A-Top opening diameter	B-Cut to suit pipe size	C-Base dimensions
1	1/2" - 4" 12 - 101 mm	Black & Colour EPDM, silicone	RF101BP	1/2" (12 mm)	1/2" - 4" (12 -101 mm)	8-3/16" (205 mm)
2	4" - 9 1/4" 101 - 235 mm	Black & Colour EPDM, silicone	RF201BP	4" (101 mm)	4" - 9-1/4" (101 - 235 mm)	14-1/4" (362 mm)
3	9 1/4" - 16 1/4" 235 - 412 mm	Black & Colour EPDM, silicone	RF301BP	9-1/4" (235 mm)	9-1/4" - 16-1/4" (235 - 412 mm)	21-1/2" (546 mm)

Master Flash® Retrofit Square Vent

20 YEAR WARRANTY



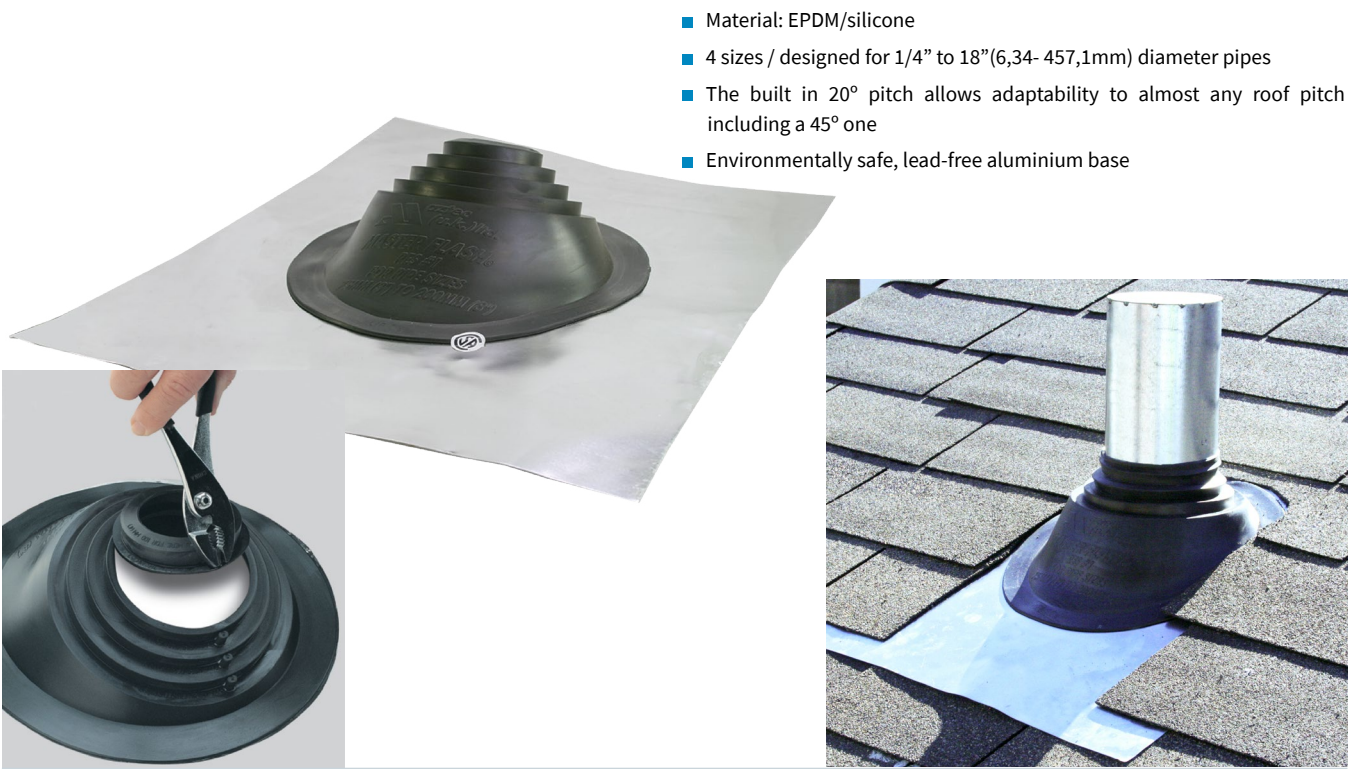
This flashing is designed for square pipes and vents. Applicable when installation is not possible by sliding the flashing down the pipe.



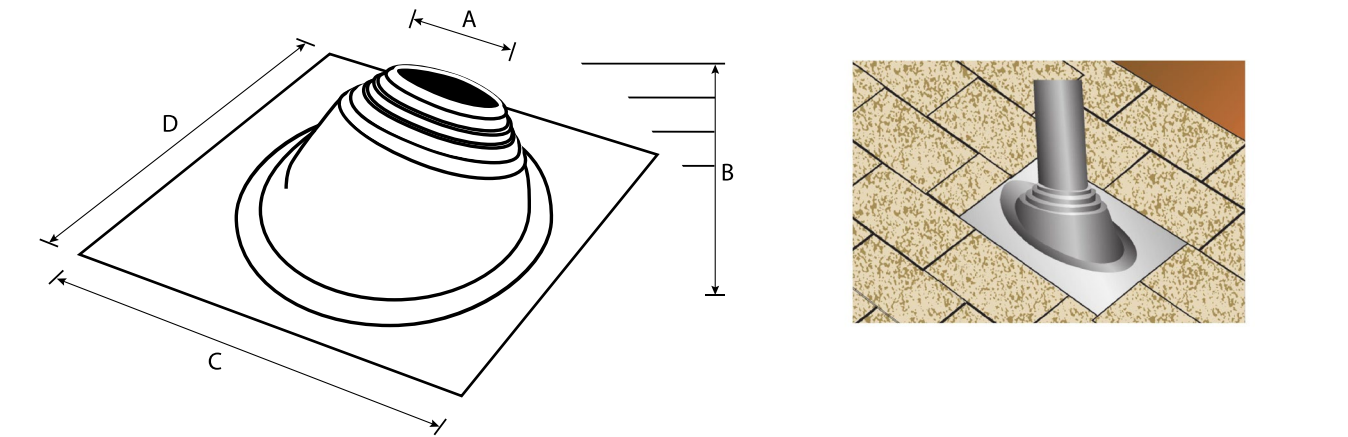
Master Flash® Retrofit Square Vent						
No.	Pipe size	Material	Catalogue number	A-Top opening diameter	B-Cut to suit pipe size	C-Base dimensions
1	2-1/2" - 4" 63 - 101 mm	Black EPDM	RF101BP-SQ	2-1/2" (63 mm)	2-1/2" to 4" (63-101 mm)	8" (203 mm)
2	2-1/4" - 5" 57 - 127 mm	Black EPDM	RF201BP-SQ	2-1/4" (57 mm)	2-1/4" to 5" (57-127 mm)	15-3/4" (400 mm)

Master Flash® Residential Aluminium

20 YEAR WARRANTY



Applicable for small format roofing types such as tar paper shingles, cement tiles or ceramic tiles. The base is made of aluminium.



Master Flash® Residential Aluminium						
No.	Pipe size	Material	Catalogue number	A-Top opening diameter	B-Pull to suit pipe size	CxD-Aluminium base dimensions
Mini	1/4" - 3" 6 - 76 mm	Black & Grey EPDM, silicone	RS051BA	Closed	1/4" - 3" (6 - 76 mm)	16" x 19-1/4" (410 x 490 mm)
1	3" - 8" 76 - 203 mm	Black & Grey EPDM, silicone	RS101BA	2-1/2" (63 mm)	3" - 8" (76 - 203 mm)	20" x 24" (508 x 609 mm)
2	8" - 11" 203 - 279 mm	Black & Grey EPDM, silicone	RS201BA	5-5/8" (142 mm)	8" - 11" (203 - 279 mm)	26" x 30" (660 x 762 mm)
3	11" - 18" 279 - 457 mm	Black & Grey EPDM, silicone	RS301BA	8-3/4" (222 mm)	11" - 18" (279 - 457 mm)	35" x 35" (889 x 889 mm)

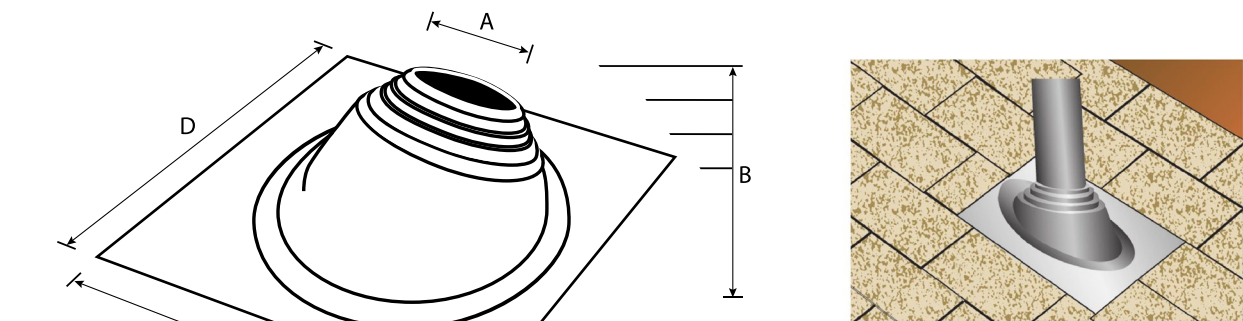
Master Flash® Residential Lead

20 YEAR WARRANTY



- Material: EPDM/silicone
- 4 sizes / designed for 1/4" to 18"(6,34- 457,1mm) diameter pipes
- Designed for roofs covered with shingle, ceramic or cement tiles
- The built in 20° pitch allows adaptability to almost any roof pitch including a 45° one
- Protective coated, safe lead base

Applicable for small format roofing types such as cement tiles or ceramic tiles. The base is made of acrylic coated safe lead, which allows easy hand shaping to fit the sheet profile.



Master Flash® Residential Lead						
No.	Pipe size	Material	Catalogue number	A-Top opening diameter	B-Pull to suit pipe size	CxD-Lead base dimensions
Mini	1/4" - 3" 6 - 76 mm	Black & Grey EPDM, silicone	RL051BA	Closed	1/4" - 3" (6 - 76 mm)	16" x 19-1/4" (410 x 490 mm)
1	3" - 8" 76 - 203 mm	Black & Grey EPDM, silicone	RL101BA	2-1/2" (63 mm)	3" - 8" (76 - 203 mm)	20" x 24" (508 x 609 mm)
2	8" - 11" 203 - 279 mm	Black & Grey EPDM, silicone	RL201BA	5-5/8" (142 mm)	8" - 11" (203 - 279 mm)	26" x 30" (660 x 762 mm)
3	11" - 18" 279 - 457 mm	Black & Grey EPDM, silicone	RL301BA	8-3/4" (222 mm)	11" - 18" (279 - 457 mm)	35" x 35" (889 x 889 mm)

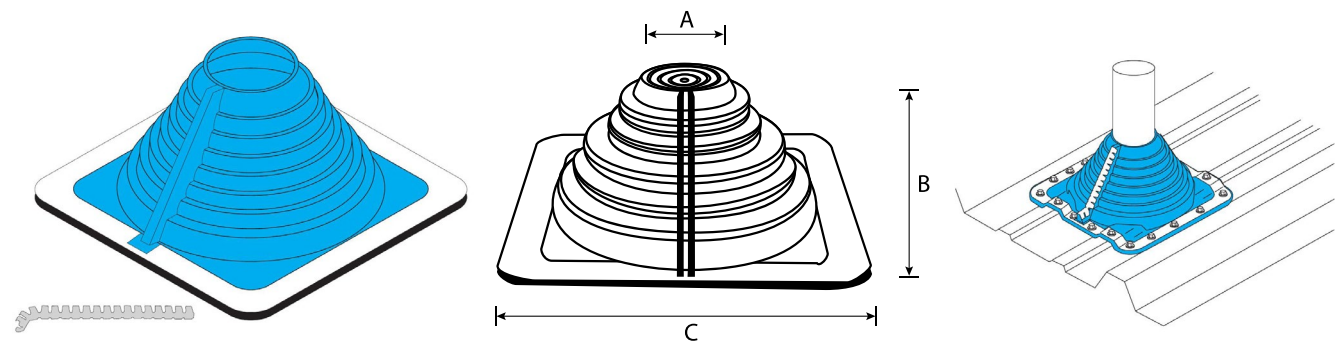
Master Flash® Multi

20 YEAR WARRANTY



- Material: EPDM/silicone
- 9 sizes / designed for 1/4" to 28-1/2"(6 - 724 mm) diameter pipes
- Smooth cut is intended to eliminate the use of razor blades
- 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 size		Material	Catalogue number	A-Top opening diameter	B-Overall height	C-Base dimensions
	Standard	Retrofit					
2	7/8" - 4" 22 - 101 mm	1/2" - 3-1/2" 12 - 89 mm	Black EPDM, silicone	MF201BA	7/8" (22 mm)	2-3/4" (70 mm)	6" (152 mm)
3	1/4" - 5 3/4" 6 - 146 mm	2" - 4 1/2" 50 - 114 mm	Black EPDM, silicone	MF301BA	Closed	3" (76 mm)	8" (203 mm)
4	2-3/4" - 7" 70 - 177 mm	2-1/4" - 6-1/2" 57 - 165 mm	Black EPDM, silicone	MF401BA	2-3/4" (70 mm)	4-3/4" (120 mm)	10" (254 mm)
5	4" - 8 1/4" 102 - 209 mm	3 1/2" - 6 3/4" 90 - 171 mm	Black EPDM, silicone	MF501BA	4" (101 mm)	4" (101 mm)	11" (279 mm)
6	4-3/4" - 10" 121 - 254 mm	4-1/4" - 9-1/2" 108 - 241 mm	Black EPDM, silicone	MF601BA	4-3/4" (121 mm)	4-1/2" (114 mm)	12" (304 mm)
7	5-1/2" - 11-1/2" 140 - 292mm	5" - 11" 127 - 279 mm	Black EPDM, silicone	MF701BA	5-1/2" (140 mm)	5-1/2" (140 mm)	14" (355 mm)
8	6 3/4" - 13 1/2" 171 - 342 mm	6 1/2" - 12" 165 - 304 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" - 20" 228 - 508 mm	Black EPDM, silicone	MF901BA	9-1/2" (241 mm)	5-3/4" (146 mm)	25" (635 mm)
Maxi	12" - 28 1/2" 304 - 724 mm	13" - 27" 330 - 685 mm	Black EPDM, silicone	MF951BA	12" (304 mm)	7-1/2" (190 mm)	34" (863 mm)

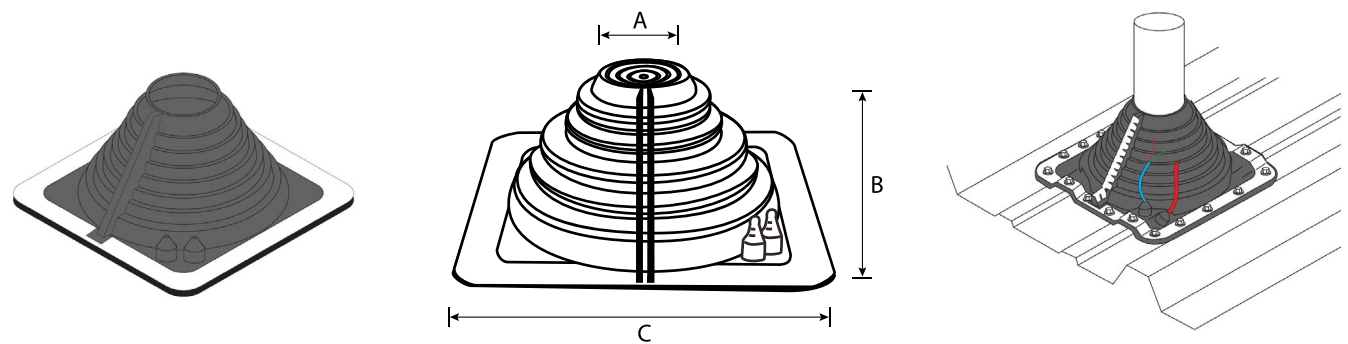
Master Flash® Multi Port

20 YEAR WARRANTY



- Material: EPDM/silicone
- 1 size / designed for 1/4" to 2-3/4"(6-70mm) 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 - handling many jobs. "5 Port Design" multiple function. Can be used when installation is not possible by sliding the flashing down the pipe.

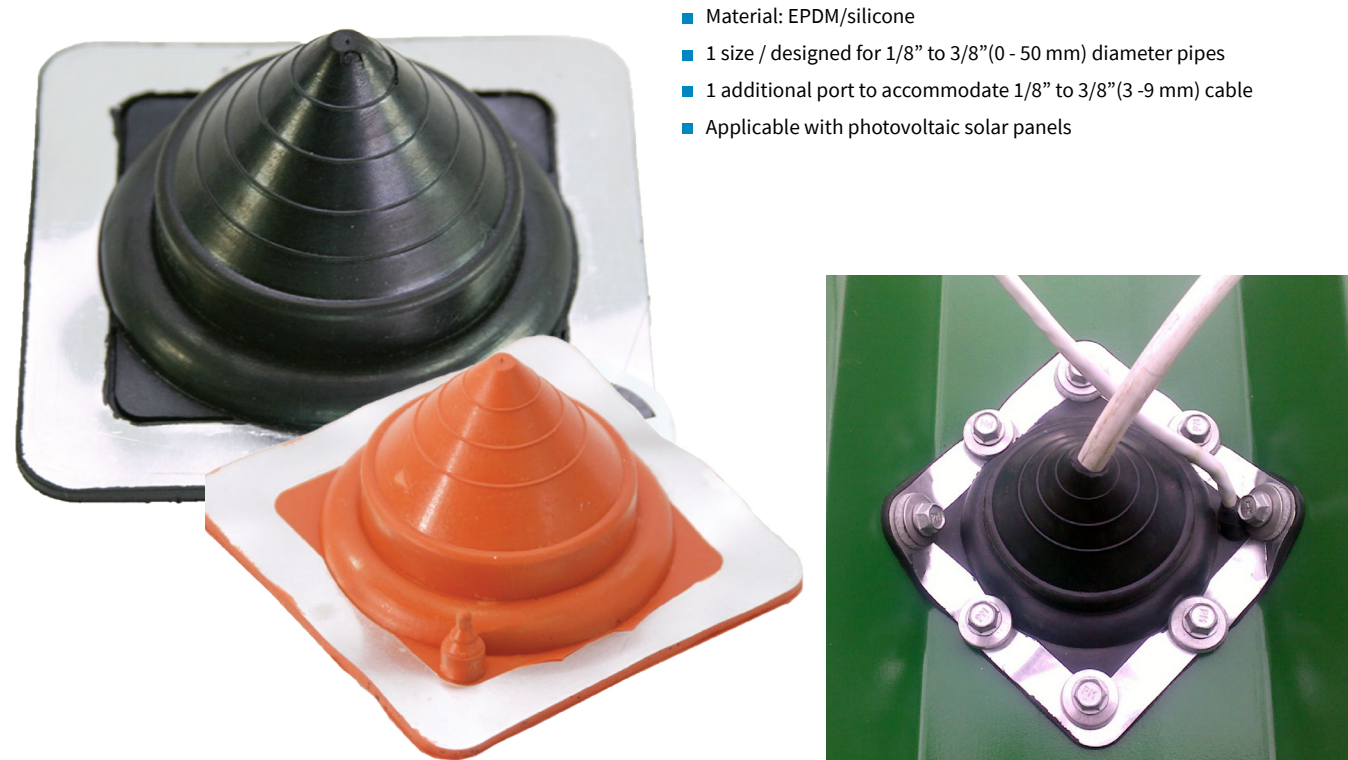


Master Flash® Multi Port							
No.	Pipe size		Material	Catalogue number	A-Top Opening	B-Overall Height	C-Base dimensions
	Standard	Retrofit					
1	1/4" - 2 3/4" (6 - 70 mm)	1 1/4" - 2 1/4" (25 - 57 mm)	Black EPDM, silicone	MP101BA	Closed	2-1/4" (57 mm)	4-1/2" (114 mm)

Accomodate 4 additional ports: 1/4" (6 mm) or 3/8" (9 mm)

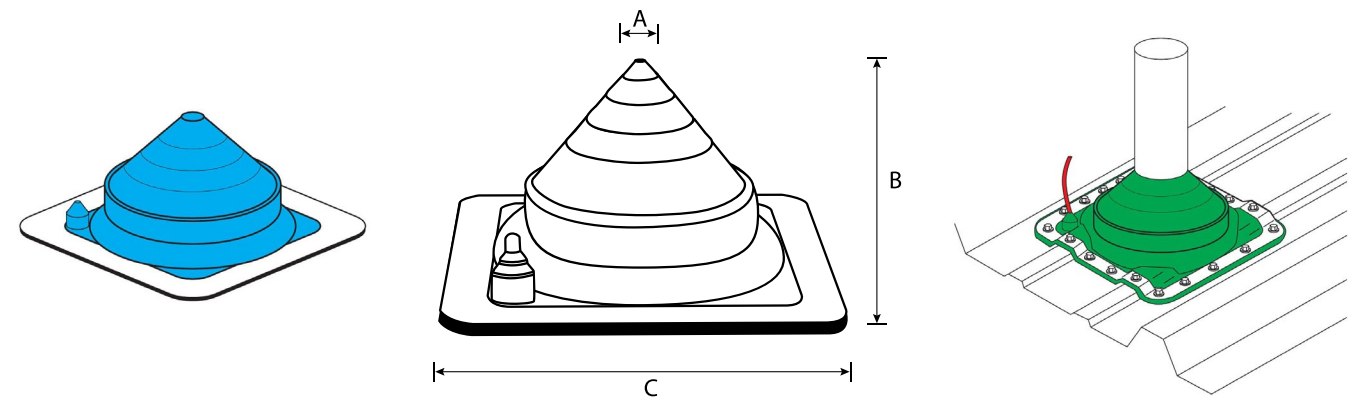
Master Flash® Middy

20 YEAR WARRANTY



- Material: EPDM/silicone
- 1 size / designed for 1/8" to 3/8"(0 - 50 mm) diameter pipes
- 1 additional port to accommodate 1/8" to 3/8"(3 - 9 mm) cable
- Applicable with photovoltaic solar panels

One Design - handling many jobs. "2 Port Design" multiple function.



Master Flash® Middy						
No.	Pipe size	Material	Catalogue number	A-Top Opening	B-Overall Height	C-Base dimensions
1	One center port for 0"- 2" (0 - 50 mm) pipe/cable	Black & Grey EPDM, silicone	SQ081BA	Closed	2" (50 mm)	3-3/4" (95 mm)
	One port up to 1/8 - 3/8" (3 - 9 mm) pipe /cable					

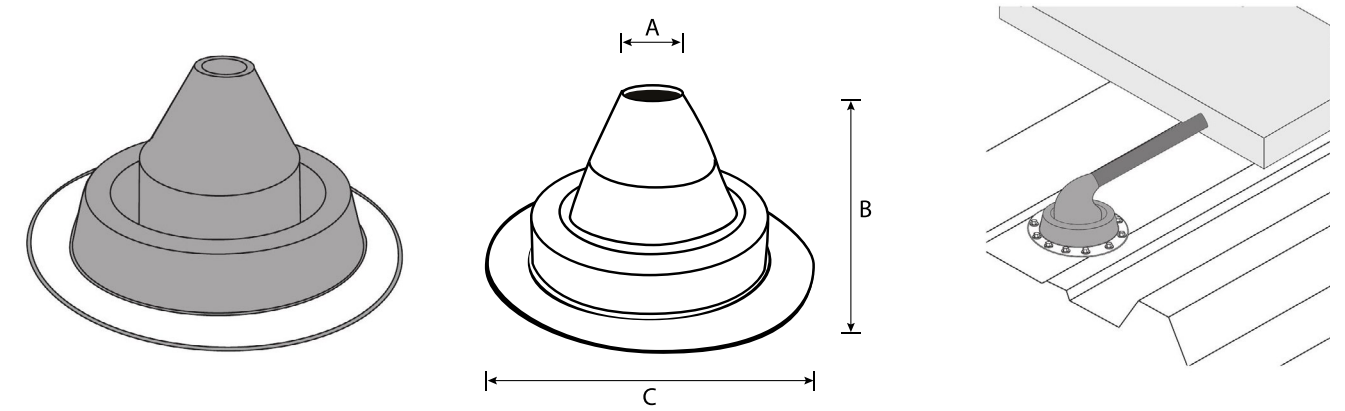
Master Flash® Solar

20 YEAR WARRANTY

- Material: EPDM/silicone
- 1 size / designed for 3/4" to 1"(19 - 25 mm) diameter pipes
- Specially developed to seal the pipes of water heating solar panels
- The pitch canal allows for maximum flexibility, easily accommodating up to a 60° degree pitch 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	Catalogue number	A-Top Opening Diameter	B-Overall Height	C-Base Diameter
1	3/4" - 1" 19 - 25 mm	Black EPDM, silicone	SF101BA	60° (15 mm)	2-1/2" (63 mm)	4" (101 mm)

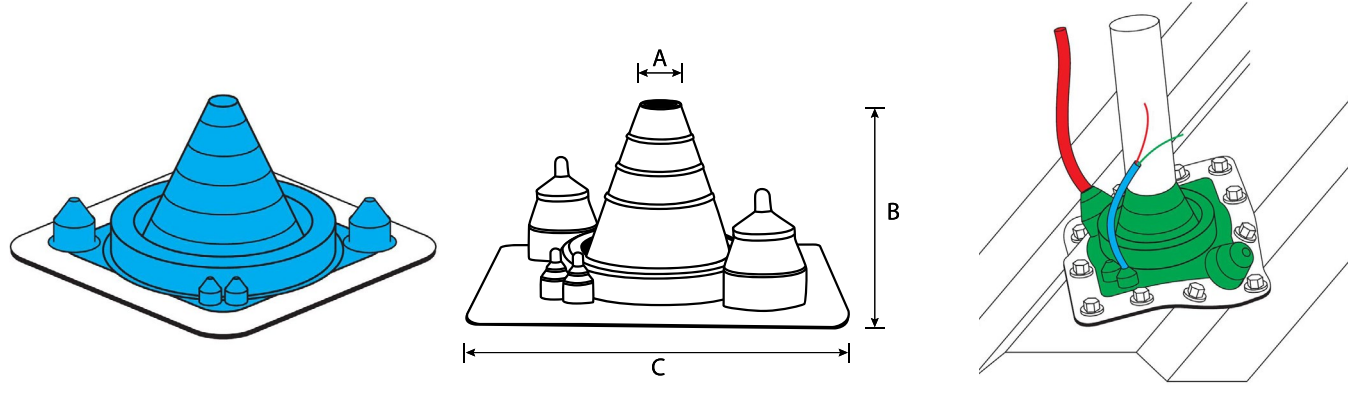
Master Flash® Solar Multi-Port MR

20 YEAR WARRANTY

- Material: EPDM/silicone
- 1 size / designed for 0" to 1-15/16"(0 - 49 mm) diameter pipes
- 2 additional ports to accommodate 0" to -3/8"(0 - 9,5 mm) cables
- 2 additional ports to accommodate 0" to -3/4"(0 - 20 mm) cables
- Designed for air conditioning sector



One Design - handling many jobs. "5 Port Design" multiple function. Applicable also with photovoltaic solar panels.



Master Flash® Solar Multi-Port						
No.	Pipe range	Material	Catalogue number	A-Top Opening	B-Overall Height	C-Base dimensions
1	One center port 0" - 1-15/16" (0 - 49 mm) Pipe	Black & Colour EPDM, silicone	SMP-MR101BA	Closed	2-1/2" (63 mm)	4-1/2" (114 mm)
	Two ports up to 3/8" (9 mm) pipe / cable					
	Two ports up to 3/4" (20 mm) pipe / cable					

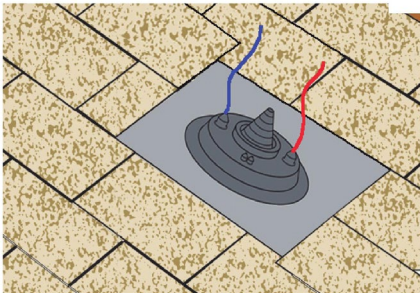
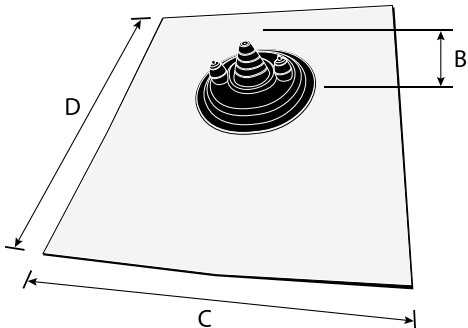
Master Flash® Solar Multi Port Lead

20 YEAR WARRANTY

- Material: EPDM/silicone
- 1 size / designed for 0" to 1-15/16"(0 - 49 mm) diameter pipes
- 2 additional ports to accommodate 0" to -3/8"(0 - 9,5 mm) cables
- 2 additional ports to accommodate 0" to -3/4"(0 - 20 mm) cables
- Protective coated, safe lead base



One design - multiple function. Applicable for small format roofing types such as tar paper shingles, cement tiles or ceramic tiles. Ideal solution for photovoltaic solar panels.



Master Flash® Solar Multi Port Lead						
No.	Pipe size	Material	Catalogue number	Top opening diameter	B-Overall Height	CxD-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" (406 x 489 mm)
	Two ports 0" - 3/8" (0 - 9 mm)					
	Two ports 0" - 3/4" (0 - 20 mm)					

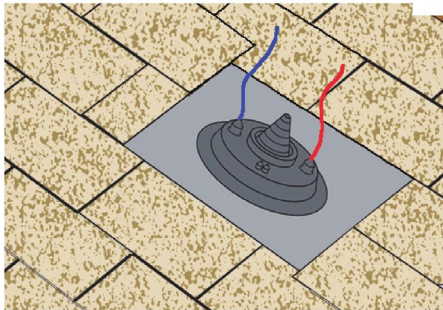
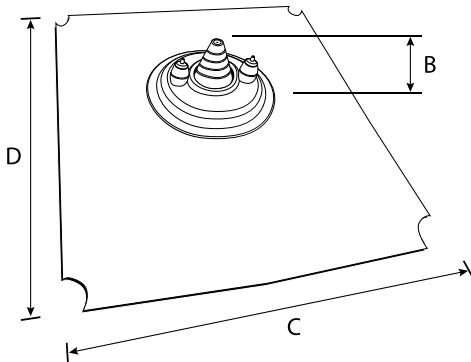
Master Flash® Solar Multi Port Aluminium

20 YEAR WARRANTY

- Material: EPDM/silicone
- 1 size / designed for 0" to 1-15/16"(0 - 49 mm) diameter pipes
- 2 additional ports to accommodate 0" to -3/8"(0 - 9,5 mm) cables
- 2 additional ports to accommodate 0" to -3/4"(0 - 20 mm) cables
- Applicable with photovoltaic solar panels



Environmentally safe lead free aluminium base. Applicable for small format roofing types such as tar paper shingles, cement tiles or ceramic tiles.



Master Flash® Solar Multi Port Aluminium						
No.	Pipe size	Material	Catalogue number	Top opening diameter	B-Overall Height	CxD-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 609 mm)
	Two ports 0" - 3/8" (0 - 9 mm)					
	Two ports 0" - 3/4" (0 - 20 mm)					

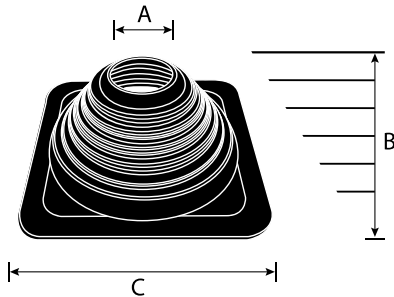
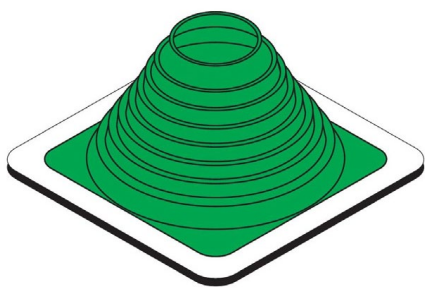
Master Flash® Standard with 35 year warranty

35 YEAR WARRANTY



- Material: EPDM
- 11 sizes / designed for 1/8" to 28-1/2"(3,2-724mm) diameter pipes
- Maximum resistance to weathering due to ozone and ultraviolet light
- Flexible base designed to virtually all panel configurations

Applicable when installation is possible by sliding the flashing down the pipe.



Master Flash® Standard with 35 year warranty						
No.	Pipe size	Material	Catalogue number	A-Top opening	B-Cut to suit pipe size	C-Base dimensions
Mini	1/8" - 3/4" 3 - 19 mm	Black EPDM	ICC-SQ051BX	Closed	1/8" - 3/4" (3-19 mm)	2 1/4" (57,2 mm)
1	1/4" - 2 3/4" 6-70 mm	Black EPDM	ICC-SQ101BX	Closed	1/4" - 2 3/4" (6 - 70 mm)	4 1/2" (114,3 mm)
2	7/8" - 4" 22 - 101 mm	Black EPDM	ICC-SQ201BX	7/8" (22 mm)	7/8" - 4" (22 - 101 mm)	6" (152,4 mm)
3	1/4" - 5 3/4" 6 - 146 mm	Black EPDM	ICC-SQ301BX	Closed	1/4" - 5 3/4" (6 - 146 mm)	8" (203 mm)
4	2 3/4" - 7" 70 - 177 mm	Black EPDM	ICC-SQ401BX	2-1/4" (57 mm)	2-3/4" - 7" (70 - 177 mm)	10" (254 mm)
5	4" - 8 1/4" 101 - 209 mm	Black EPDM	ICC-SQ501BX	3-1/2 (89 mm)	4" - 8-1/4" (101 - 209 mm)	11" (280 mm)
6	4 3/4" - 10" 121 - 254 mm	Black EPDM	ICC-SQ601BX	3-3/4" (95 mm)	4-3/4" - 10" (121 - 254 mm)	12" (305 mm)
7	5 1/2" - 11 1/2" 140 - 292 mm	Black EPDM	ICC-SQ701BX	4-3/4" (120 mm)	5-1/2" - 11-1/2" (140 - 292 mm)	14" (356 mm)
8	6 3/4" - 13 1/2" 171 - 343 mm	Black EPDM	ICC-SQ801BX	5-1/2" (140 mm)	6-3/4" - 13-1/2" (171 - 343 mm)	17" (432 mm)
9	9 1/2" - 20 1/2" 241 - 520 mm	Black EPDM	ICC-SQ901BX	8" (203 mm)	9-1/2" - 20-1/2" (241 - 520 mm)	25" (635 mm)
Maxi Closed	0" - 28 1/2" 0 - 724 mm	Black EPDM	ICC-SQ951BX-C	Closed	0" - 28-1/2" (0 - 724 mm)	34" (864 mm)
Maxi Open	12" - 28 1/2" 304 - 724 mm	Black EPDM	ICC-SQ951BX	10-1/4" (260 mm)	12" - 28-1/2" (304 - 724 mm)	34" (864 mm)

Fix-A-Flash Master Flash®

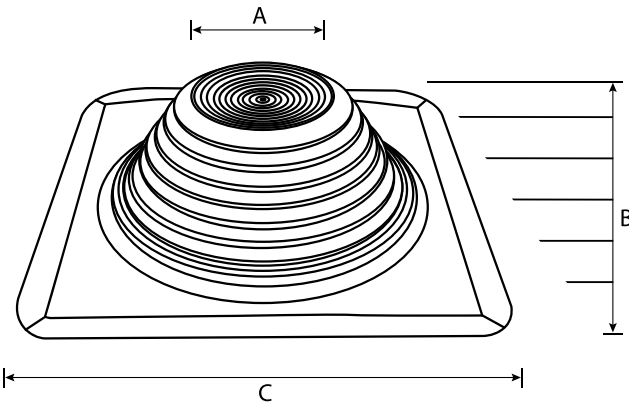
35 YEAR WARRANTY* 20 YEAR WARRANTY

* available on special request. Ask our Sales Department.



- Material: EPDM/silicone
- 1 size / designed for 0" to 15" (0-381 mm) diameter pipes
- Large base diameter 19-1/2" (495 mm)
- Closed or open top available

The base is designed for an oversized hole cut for a pipe flashing.



Fix-A-Flash Master Flash®						
No.	Pipe size	Material	Catalogue number	A-Top opening	B-Cut to suit pipe size	C-Base dimensions
8X	0" - 15" (0 - 381 mm)	Black & Grey EPDM, silicone	FF101BS	Closed	0" - 15" (0 - 381 mm)	19-1/2" (495 mm)
8X	6-3/4" - 15" (171 - 381 mm)	Black & Grey EPDM, silicone	FF101BS	6-3/4" (171 mm)	6-3/4" - 15" (171 - 381 mm)	19-1/2" (495 mm)

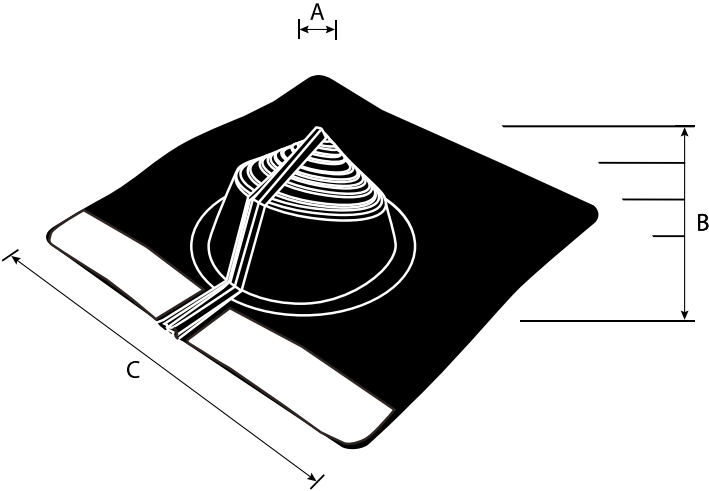
Electrical Mast Connection Master Flash®

20 YEAR WARRANTY



- Material: EPDM/silicone
- 1 size / designed for 0" to 5-3/8" (0-136mm) diameter pipes
- The built in 20° pitch allows adaptability to almost any roof pitch including a 45° one
- Ideal solution for roofs covered in shingle, ceramic or cement tiles

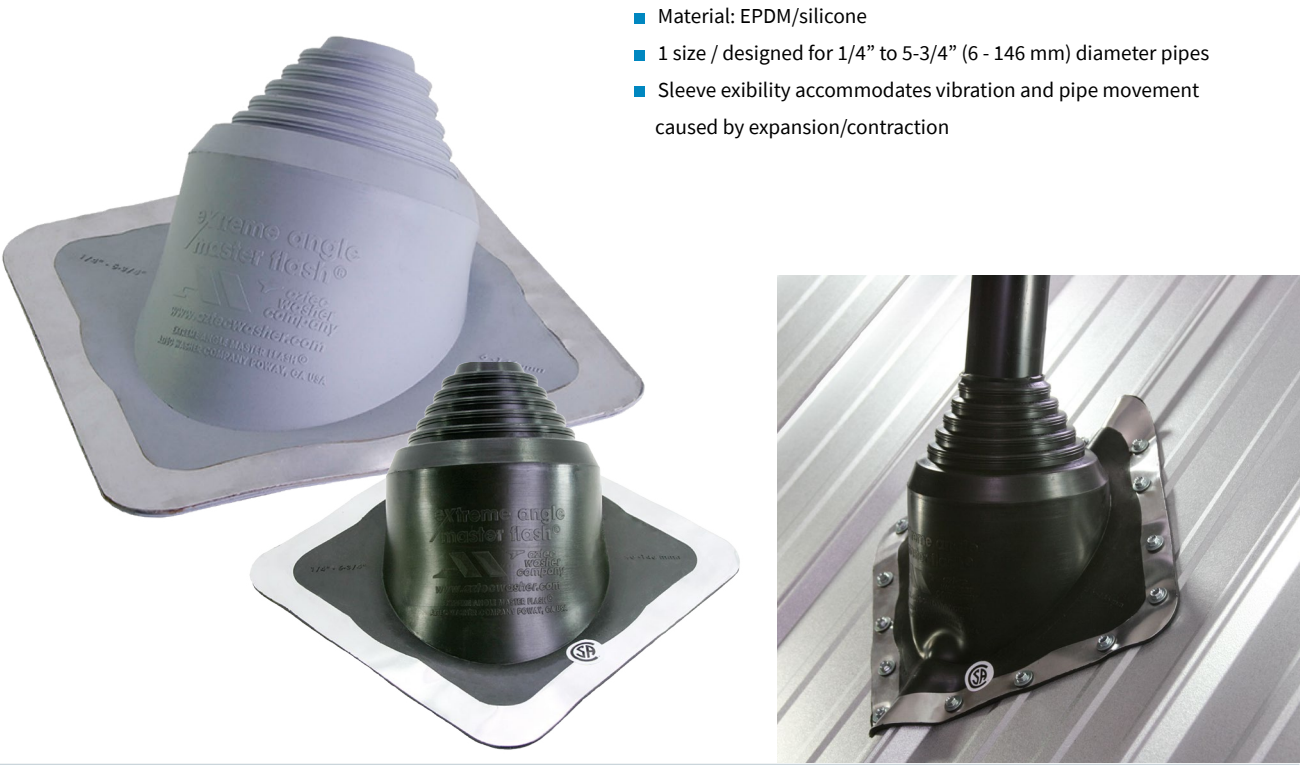
Specially designed for the residential roofing industry. Easy to see pipe diameters made for quick on-site installation. Available together with a stainless steel gripper to secure a retrofit application.



Electrical Mast Connection Master Flash®						
No.	Pipe size	Material	Catalogue number	A-Top opening diameter	B-Cut to suit pipe size	C-Base dimensions
1	0" - 5 3/8" 0 - 136 mm	Black EPDM, silicone	EMC101BS	Closed	0" - 5 -3/8" (0 - 136 mm)	15" (381 mm)

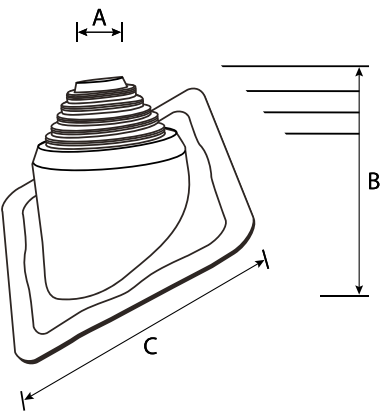
Extreme Angle Master Flash®

20 YEAR WARRANTY



- Material: EPDM/silicone
- 1 size / designed for 1/4" to 5-3/4" (6 - 146 mm) diameter pipes
- Sleeve exibility accommodates vibration and pipe movement caused by expansion/contraction

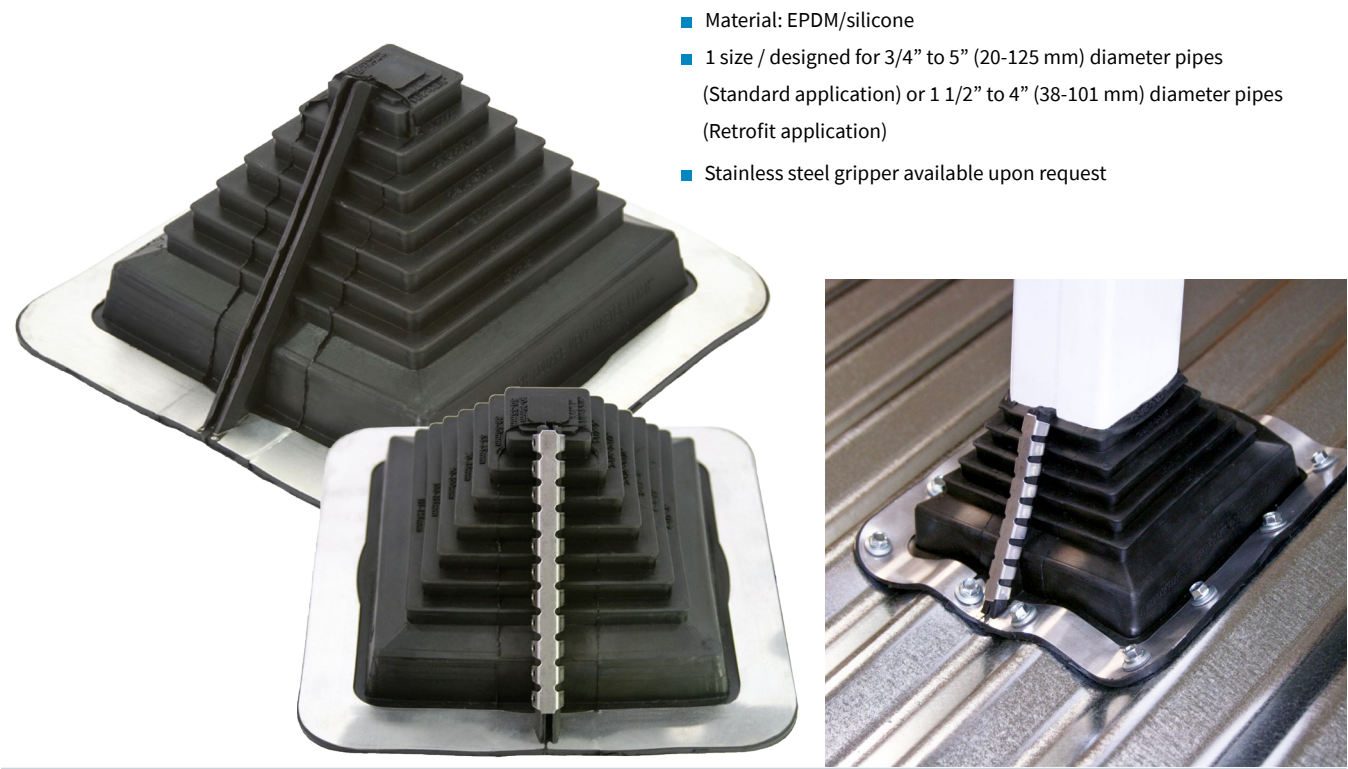
For applications with 35 to 65 degree angle, while accepting and responding to the most commonly encountered pipe penetrations. Easy on-site customization accommodates all normal installations



Extreme Angle Master Flash®						
No.	Pipe size	Material	Catalogue number	A-Top opening	B-Cut to suit pipe size	C-Base dimensions
1	1/4" - 5 3/4" 6 - 146 mm	Black EPDM, silicone	EA101BA	Closed	1/4" - 5-3/4" (6 - 146 mm)	11" (279 mm)

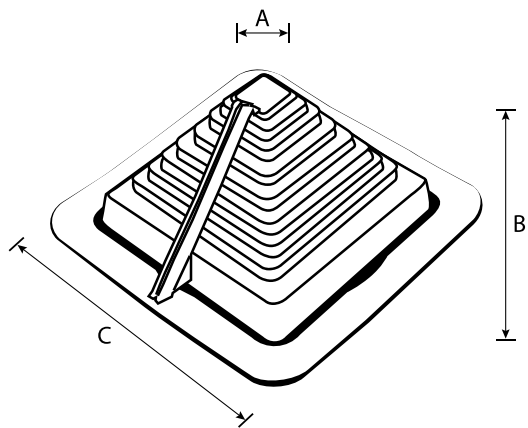
Multi-Flash Square Vent Master Flash®

20 YEAR WARRANTY



- Material: EPDM/silicone
- 1 size / designed for 3/4" to 5" (20-125 mm) diameter pipes (Standard application) or 1 1/2" to 4" (38-101 mm) diameter pipes (Retrofit application)
- Stainless steel gripper available upon request

Specially Designed for Square Pipes. Designed with a lip to secure plastic zip tie for retrofit applications. No hassle stainless steel gripper and plastic zip tie to secure retrofit applications



Multi-Flash Square Vent Master Flash®							
No.	Pipe size		Material	Catalogue number	A-Top Opening	B-Overall Height	C-Base dimensions
	Standard	Retrofit					
1	3/4" - 5" 20 - 125 mm	1 1/2" - 4" 38 - 101 mm	Black EPDM, silicone	MFSQ101BA	Closed	3-3/4" (95 mm)	8" (203 mm)

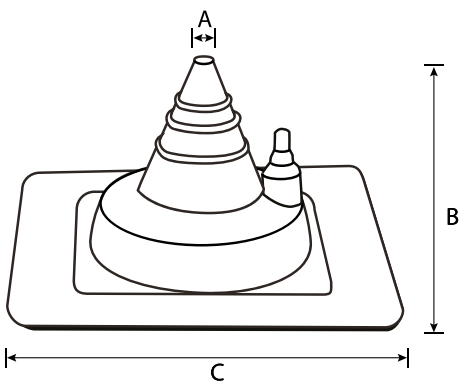
Mini-Port Master Flash®

20 YEAR WARRANTY



- Material: EPDM/silicone
- 1 size / designed for 1/4"-2-3/4" (0-49 mm) diameter pipes
- 1 additional port to accommodate 1/8" to 3/8" (3,2-9,5 mm) cable
- Sleeve exibility accommodates vibration and pipe movement caused by expansion/contraction

These flashings are compounded specifically for maximum resistance to weathering due to ozone and ultraviolet light. The base is designed to mould to most panel configurations and roof pitches regardless of pipe location.



Mini-Port Master Flash®						
No.	Pipe size	Material	Catalogue number	A-Top Opening	B-Overall height	C-Base dimensions
1	One center port for 0"- 13/16" (0 - 20 mm) pipe/cable	Black & Grey EPDM, silicone	MP051BA	Closed	0" - 13/16 (0 - 20 mm)	3" (76 mm)
	One port up to 1/4 - 3/8" (6 - 9 mm) pipe /cable					

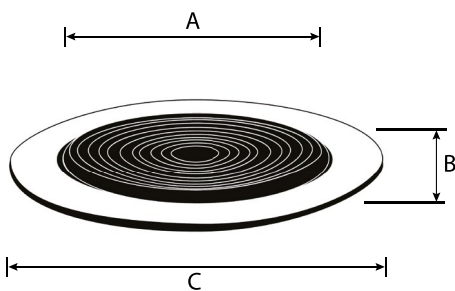
The Low-Profile Master Flash®

20 YEAR WARRANTY



- Material: EPDM/silicone
- 1 size / fits up to 4" pipes
- Widely used in the food industry

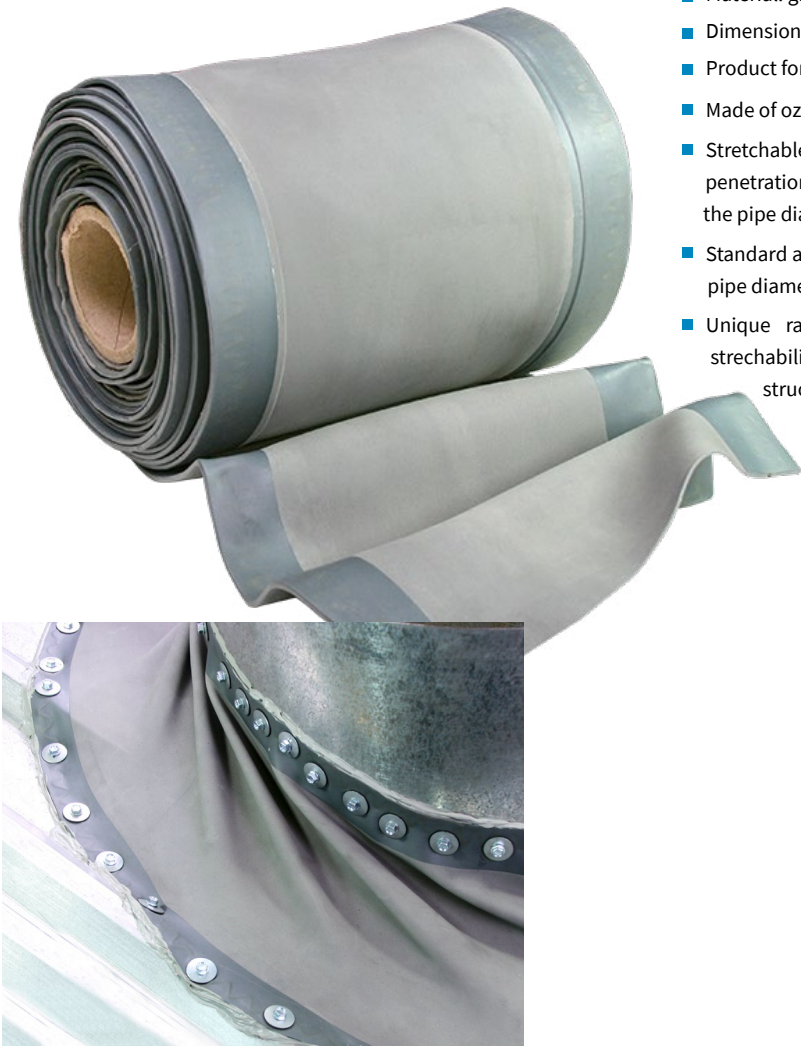
Specifically designed for sidewalls or low profile applications.



The Low-Profile Master Flash®						
No.	Pipe size	Material	Catalogue number	A-Top opening diameter	B-Overall Height	C-Base dimensions
1	0" - 4" (0 - 101 mm)	Black & Colours EPDM, silicone	LP101BA	Closed 0" - 4" (0 - 101 mm)	5/16" (8 mm)	6 1/4" (158 mm)

(SLF) Stretchable Linear Flash Master Flash®

20 YEAR WARRANTY



- Material: grey EPDM
- Dimensions: 280 mm wide, 1,7 mm thick, 10 m long
- Product for non-standard and demanding sealing solutions
- Made of ozone resistant grey EPDM
- Stretchable Linear Flash (SLF) 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, big roof penetrations or large pipe diameters
- Unique raw material properties provide the product with great stretchability. This allows to precisely copy shape of the supporting structure for the best possible sealing performance.

(SLF) Stretchable Linear Flash Master Flash®	
Charecteristic	Value of the parameter
Temperature Range	-40° C to +100° C
Ozone Resistance	Yes
Tear Resistance	1,38 MPa
Elongation to break	minimum 700%
Colour	grey
Dimensions	Value of the parameter
Width	11" (280mm)
EPDM thickness	1,7 mm
Standard length	10 m
Applications	Transition Walls Parapet Walls Stepped Roofs Corrugated Metal Roofs Roof Penetrations Expansion Joint

Applications



Parapet walls and metal roofs

Inside corners

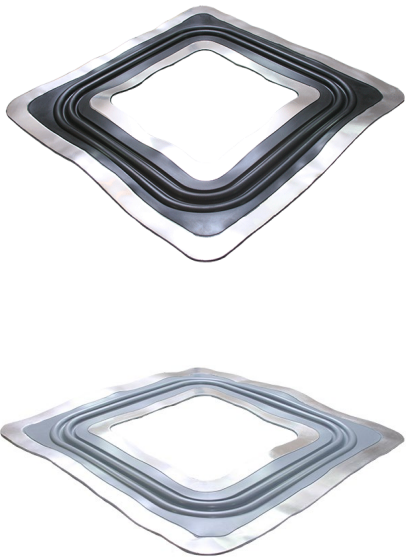
Parapet walls

Corners

Metal Roof Vent Sealer Adapter Master Flash®

20 YEAR WARRANTY

5 Easy Steps

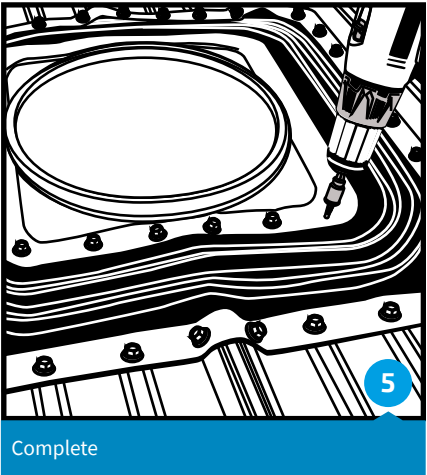
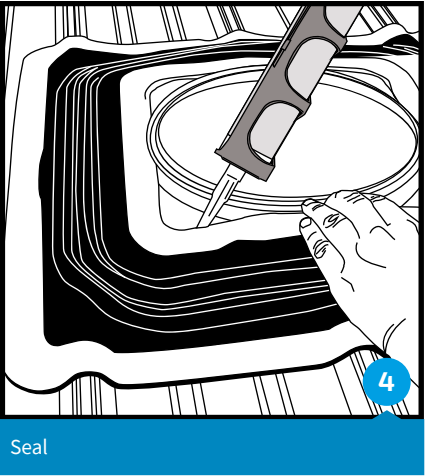
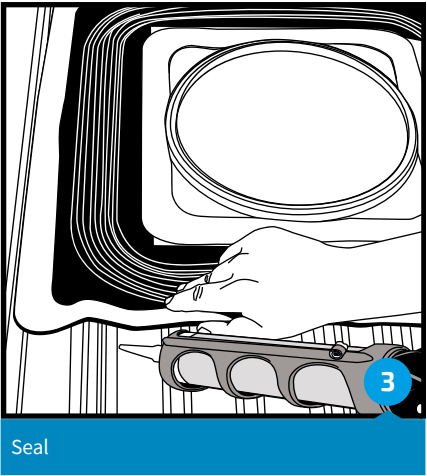
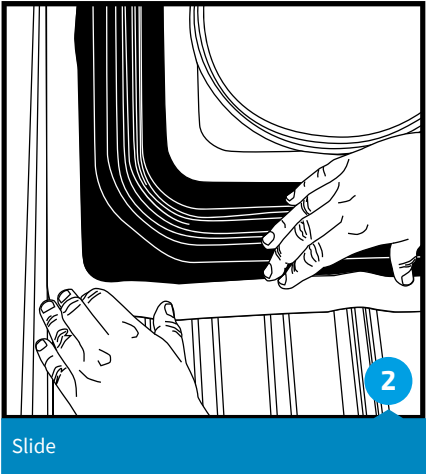
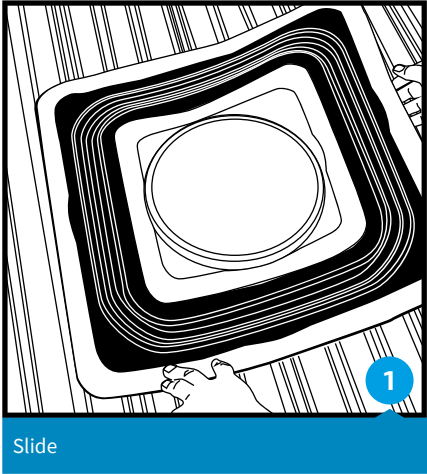


Metal Roof Vent Sealer Adapter Master Flash®			
Advanced Ozone Resistance tested to		EPDM 70 hour @ 500 pphm	
High Temperature Resistance Tested to	Intermittent	+135° C (+275°F)	
	Continuous	+100° C (+212°F)	
Low Temperature Resistance tested to		-55°C (-67°F)	
Compression Set Maximum		25%	

Complete specification data and testing methods are available upon request.

Specifically designed for Metal Roofing Industry

Metal Roof Vent Sealer Adapter Master Flash®				
No.	Material	Catalogue number	Opening	Square Base
1	Black & Light Grey & Dark Grey Colours EPDM	RVA101BA	11 3/4" x 11 3/4" (298 x 298 mm)	24" (609 mm)



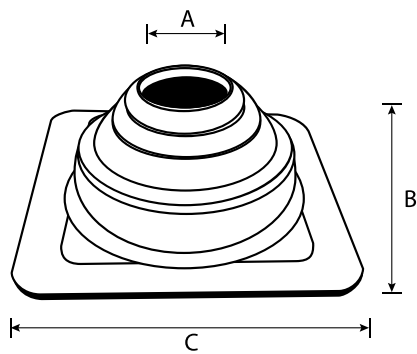
Vent Master Flash®

20 YEAR WARRANTY



- Material: EPDM/silicone
- Accommodates 2" - 2-3/4" (50 - 70 mm) pipes.
- These flashings are compounded specifically for maximum resistance to weathering due to ozone and ultraviolet light.
- The base is designed to mould to most panel configurations and roof pitches regardless of pipe location.
- Easy on-site customization accommodates all normal installations.

Pipe diameters can be seen clearly for proper fitting.



#2-Vent Master Flash®						
No.	Pipe size	Material	Catalogue number	A-Top Opening	B-Overall Height	C-Base dimensions
#2-VENT	2" - 2-3/4" 50 - 70 mm	Black & GreyEPDM, silicone	SV101BA	2" - 2-3/4" (50 - 70 mm)	2-1/2" (63 mm)	6" (152 mm)

COMPOUND AND SPECIFICATION DATA
FOR MASTER FLASH® BLACK EPDM 50 SHORE

TYPICAL PHYSICAL PROPERTIES OF EPDM
ASTM D2000 M3BA510 A14, B13, C12, F19, G21, Z1, Z2, Z3, Z4, Z5.

PROPERTY		VALUE	TEST METHOD
BASE MATERIAL		CROSS LINKED EPDM ETHYLENE PROPYLENE DIENE TERPOLYMER	N/A
COLOR		BLACK	N/A
TEST LEVEL		3	GRADE
TEST TEMPERATURE		B 100° C	TYPE
VOLUME SWELL		NO REQUIREMENT	CLASS
DUROMETER		50 (SHORE)	ASTM D 2240
TENSILE STRENGHT		10 MPA (1450 psi) MINIMUM	ASTM D 412
ULTIMATE ELONGATION		400% MINIMUM	ASTM D 412
A14	HEAT AGING	70 hrs. @ 100° C Change in hardness +10 pts Change in tensile max. -25% Change elongation -25%	ASTM D 573
B13	COMPRESSION SET	22 hrs. @ 70 ° C MAX 25 %	ASTM D 395 B
C12	OZONE RESISTANCE	70 hrs. @ 50 pphm	ASTM D 1171
F19	LOW TEMPERATURE BRITTLINESS	3 MINUTES @ -40° C PASS	ASTM D 2137A, 9.3.2
Z1	TARGET HARDNESS	55 +/-5 SHORE A	ASTM 2240
Z2	SPECIFIC RUBBER	EPDM	PASS
Z3	HORIZONTAL FLAME RESISTANCE	NOT TO EXCEED 3 IN/ MINUTE	ASTM 2240
Z4	ADVANCED OZONE REQUIREMENT	70 hrs. @ 500 pphm @ 38° C (100° F) PASS	ASTM D 1171
Z5	ACCELERATED WEATHERING RESISTANCE	2,000 hrs. TENSILE AND ELONGATION PASS UV LIGHT MAX LOSS 50%	G 154
Z5	ACCELERATED WEATHERING RESISTANCE	1000 HS. USING UVB 313 LAMPS TENSILE AND ELONG 50% MAX LOSS	G 155 12A

COMPOUND AND SPECIFICATION DATA FOR
MASTER FLASH® SILICONE RUBBER

TYPICAL PHYSICAL PROPERTIES FOR MF SILICON RUBBER
ASTM D2000 M4GE 505 A19 B37 C12 F19 G11 Z1 Z2 Z3 Z4 Z5

PROPERTY		VALUE	TEST METHOD
BASE MATERIAL		SILICON RUBBER	N/A
COLOR		COLORED	N/A
TEST LEVEL		4	GRADE
TEST TEMPERATURE		G225° C	TYPE
VOLUME SWELL		MAX 80%	CLASS E
DUROMETER		50 +/- 5 (SHORE)	ASTM D 2240
TENSILE STRENGHT		05 MPA (725 psi) MINIMUM	ASTM D 412
ULTIMATE ELONGATION		200% MINIMUM	ASTM D 412
A19	HEAT AGING	70 hrs. @ 225° C Change in hardness + 10 Pts Change tensile max. -25% Change elongation -30%	ASTM D 573
B37	COMPRESSION SET	22 hrs. @ 175° C MAX 50%	ASTM D 395B
C12	OZONE RESISTANCE	770 hrs. @ 50 pphm 38° C 100% quality retention	ASTM D 1171
G11	TEAR RESISTANCE	DIE B	ASTM D 471
F19	LOW TEMPERATURE BRITTLINESS	3 MINUTES @ -55° C PASS	ASTM D 2137C, 9.3.3
Z1	TARGET HARDNESS	55 SHORE A	ASTM D 2240
Z2	SPECIFIC RUBBER	SILICONE	N/A
Z3	HORIZONTAL FLAME RESISTANCE	NOT TO EXCEED 3 IN/ MINUTE	UL 94
Z4	ADVANCED OZONE REQUIREMENT	70 HS @ 500 pphm @ 38° C (100F) pass	ASTM D 1171

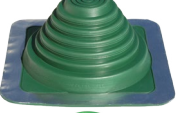
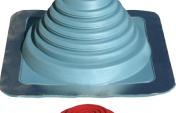
Master Flash® Standard and Master Flash® Universal can be purchased in different colours, including brown, black, light grey, dark green, light green, dark blue, light blue, bright red and terra cotta (red clay appearance).

BASE

SIZE

SQ301BN

COLOUR

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	RD301BA	RAL9004
	Brown	SQ301BN	RAL8028		Brown	RD301BN	RAL8028
	Grey	SQ301GA	RAL7035		Dark Grey	RD301NG	RAL7040
	White	SQ301WT	RAL9010		Grey	RD301GG	RAL7035
	Dark Green	SQ301DG	RAL6002		White	RD301WT	RAL9010
	Light Green	SQ301LG	RAL6017		Dark Green	RD301DG	RAL6002
	Dark Blue	SQ301DB	RAL5019		Light Green	RD301LG	RAL6017
	Light Blue	SQ301LB	RAL5024		Dark Blue	RD301DB	RAL5019
	Bright Red	SQ301BR	RAL3013		Light Blue	RD301LB	RAL5024
	Terra Cotta	SQ301TC	RAL8004		Bright Red	RD301BR	RAL3013
					Terra Cotta	RD301TC	RAL8004

Although colours stabilizers are milled into primary raw material, a slight fading can be expected, but the properties and guarantees will not be affected.

STAINLESS STEEL BAND



Stainless steel band			
Width	Lenght	Master Flash® size	Code
[mm]	[mm]	Catalogue Number	MF#
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 lenghts or a continuous strip. The band and the lock are made of stainless steel AISI 304, suitable for high corrosion risk environment.

STAINLESS STEEL CLAMP/GRIPPER



Stainless steel clamp		
Width	Lenght	Master Flash® size
[mm]	[mm]	#
8	60	1
8	90	3
8	130	5
8	180	8
8	390	Maxi

The clamp and the gripper are made of stainless steel AISI 304, suitable for high corrosion risk environment.

SILICONE 40 ml

SILICONE 80 ml





1
Choose an appropriate Master Flash® with opening at least from 20% to 30% smaller than pipe diameter. If necessary trim opening to 20% smaller than the pipe diameter.



2
Slide Master Flash® down the pipe (a non-petroleum base lubricant will ease installation).



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



4
Apply sealant between the base and the roof.



5
Use fasteners to complete sealing. For installation, fastener spacing may not exceed 1.5" (38 mm).



1
Use pliers to pull the tab for the correct pipe size.



2
Finish the diameter by adjusting the flashing by hand.



3
Apply sealant on the bottom side of the metal base.



4
Slide the flashing down the pipe.



5
Cut shingles to fit to the top of the flashing allowing the bottom of the flashing metal base to set on top of tiles.



6
Fasten the metal base using nails and a hammer.



7
Install the tiles at the side of the flashing.



8
Finish the installation of tiles.



9
Apply a stainless steel band to assure tight fitting of the flashing against the pipe.



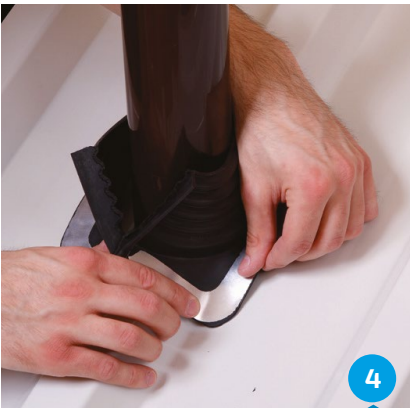
1
Select an appropriate Master Flash® Multi. If necessary trim opening to the pipe diameter.



2
Apply Master Flash® Multi by sliding it down the pipe or cut it on the side to use as Retrofit.



3
Wrap Master Flash® Multi around the pipe.



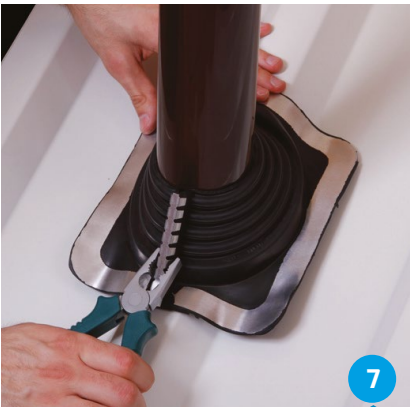
4
Press Master Flash® Multi down, bending it to conform to roof profile or roof irregularities. A blunt tool will help press the flashing into tight roof angles.



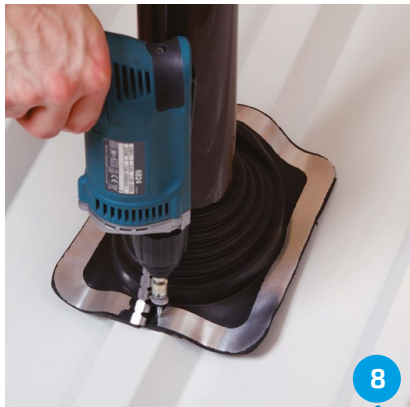
5
Apply sealant between the base, roof and at the top of the flange.



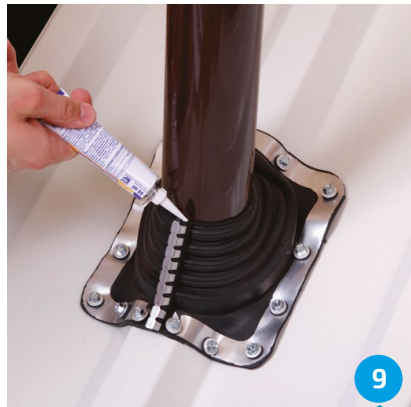
6
Use stainless steel clamp to close the Master Flash® Multi.



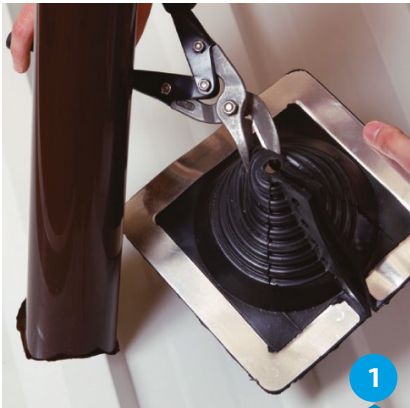
7
Tighten the stainless steel clamp.



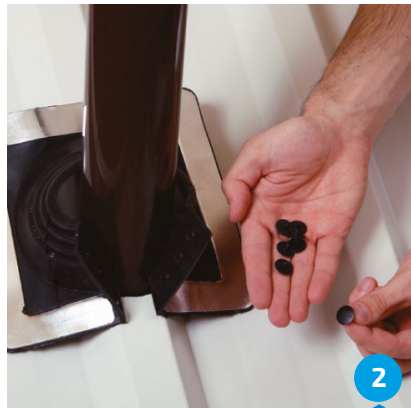
8
Use fasteners to complete sealing. For installation, fastener spacing may not exceed 1.5" (38 mm).



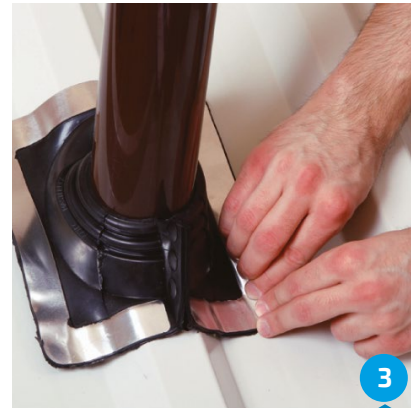
9
Additional sealant may be applied between the flashing and the pipe.



1
Select an appropriate Master Flash® Retrofit. If necessary trim opening to the pipe diameter.



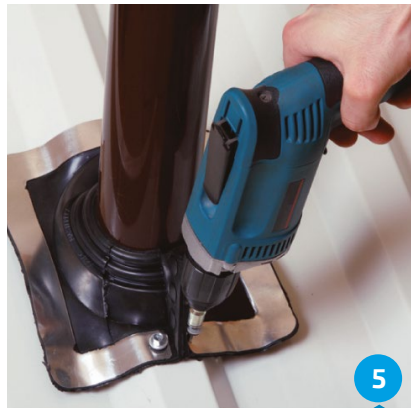
2
Wrap Master Flash® Retrofit around the pipe and install all snap rivets to seal the flange.



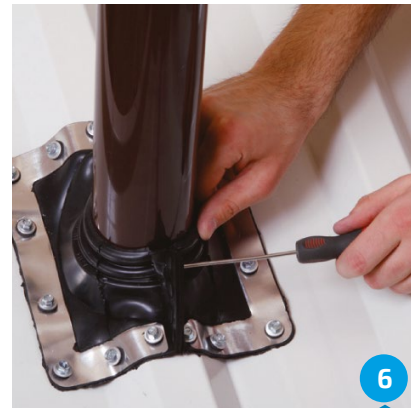
3
Press Master Flash® Retrofit down, bending it to conform to roof profile or roof irregularities. A blunt tool will help press the flashing into tight roof angles.



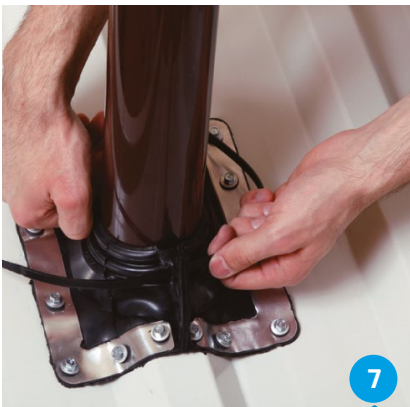
4
Apply sealant between the base, roof and at the top of the flange.



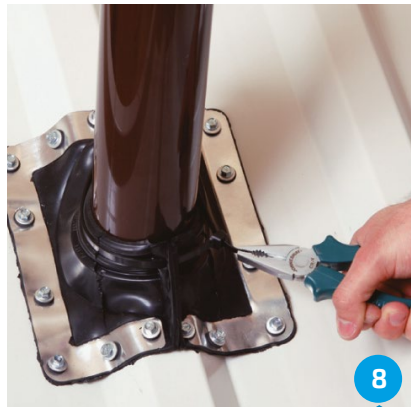
5
Use fasteners to complete sealing. For installation, fastener spacing may not exceed 1.5" (38 mm).



6
Make a hole in the flange to insert a cable tie.



7
Slide the cable tie through the hole.



8
Put the cable through the hole to assure tight fitting.



9
Additional sealant can be applied between the flashing and the pipe.



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