

Master Flash® Standard

1.1 Master Flash® Standard – Technical Data Sheet

- Master Flash® Standard is made of EPDM rubber (ethylene propylene diene monomer) or silicone rubber.
- The base of the flashings is reinforced by a bonded aluminium insert which allows easy shaping to fit the roofing sheet profile.
- Roof flashings are intended for watertight sealing around installation elements / ducts penetrating the roof slope (i.e. ventilation pipes, solar ducts, chimney flues, electric cables and wires or other elements passing through the roof slope).
- Roof flashings can be used on various types of metal roofs including profiled metal tiles, metal flat sheets, metal trapezoidal sheets.



1.2 Master Flash® Standard – Material Specification and Sizes

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)
	continuous	+100°C (+212°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%

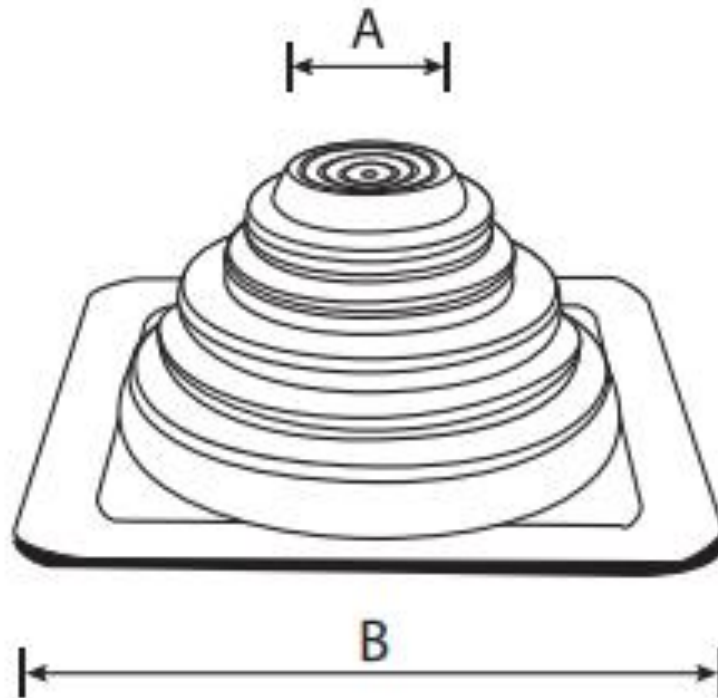


RED SILICONE MASTER FLASH® STANDARD



BLACK EPDM MASTER FLASH® STANDARD





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)

COMPOUND AND SPECIFICATION DATA FOR MASTER FLASH® BLACK EPDM

TYPICAL PHYSICAL PROPERTIES OF MF EPDM
 ASTM D2000 M3BA510 A14, B13, C12, F17, 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	GRADE
VOLUME SWELL		NO REQUIREMENT	CLASS
DUROMETER		50 (SHORE)	ASTM D 2240
TENSILE STRENGTH		10 MPA (1450 psi) MINIMUM	ASTM D 412
A14	HEAT AGING	70 hrs. @ 100° C Change in hardness Max +10 pts Change in tensile Max -25 % Change in ultimate elong. Max -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
F17	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

COMPOUND AND SPECIFICATION DATA FOR MASTER FLASH® SILICONE

TYPICAL PHYSICAL PROPERTIES OF MF SILICONE
 ASTM D2000 M4 GE 505 A19, B37, C12, F19, Z1, Z2, Z3, Z4, Z5, Z6, Z7.

PROPERTY		VALUE	TEST METHOD
BASE MATERIAL		SILICONE	N/A
COLOR		TERRA COTTA/GRAY	N/A
TEST LEVEL		4	GRADE
TEST TEMPERATURE		225° C	GRADE
VOLUME SWELL		MAX 80%	CLASS
DUROMETER		50 (SHORE)	ASTM D 2240
TENSILE STRENGTH		5 MPA (725 psi) MINIMUM	ASTM D 412
ULTIMATE ELONGATION		250 % MINIMUM	ASTM 412
A19	HEAT AGING	70 hrs. @ 225 C Change in hardness Max +10 pts Change in tensile Max -25 % Change in ultimate elong. Max -30%	ASTM D 573
B37	COMPRESSION SET	22 hrs. @ 175° C MAX 25%	ASTM D 395 B
C12	OZONE RESISTANCE	70 hrs. @ 50 pphm 38° C 100% quality retention	ASTM D 1171
F19	LOW TEMPERATURE BRITTLENESS	3 MINUTES @ -55° C (-67° F)	ASTM D 2137A, 9.3.2
Z1	TARGET HARDNESS	55 SHORE A	ASTM 2240
Z2	SPECIFIC RUBBER	SILICONE	N/A
Z3	HORIZONTAL FLAME RESISTANCE	NOT TO EXCEED 3 IN/ MINUTE	UL-94