

Master Flash® Standard 35 years warranty

1.1 Master Flash® Standard 35 years warranty – Technical Data Sheet

- Master Flash® Standard 35 years warranty 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.

Weather Protection Made of EPDM

This flashing is specifically designed for maximum resistance to weathering due to ozone and ultraviolet light.

Unique compression seal technology

Adaptable Base

The base is designed to mold to most panel configurations and roof pitches regardless of pipe location.

Sleeve flexibility absorbs vibration and pipe movement caused by expansion/contraction

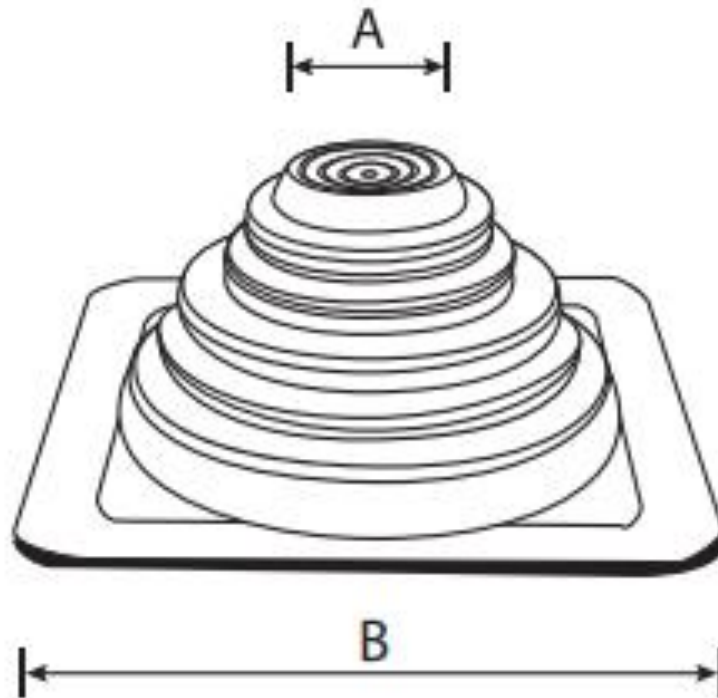
Pipe diameters can be seen clearly for proper fitting.



1.2 Master Flash® Standard 35 years warranty – Material Specification and Sizes

Master Flash®		EPDM 500
ADVANCED OZONE RESISTANCE tested to:		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)
TENSILE SET maximum		10 MPa (1450 psi)
COMPRESSION SET maximum		25%





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 mm)	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)

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