

Effisus Stopper MR

The Effisus **Stopper MR** is designed to permanently seal metal roof penetrations with diameters from 3 to 750mm. It allies to its EPDM or Silicone composition, a that is edged with aluminium bands that allow it to fit to virtually all metal roof corrugations.



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Technical data

Essential characteristics	Method	Specification	EPDM Grey	EPDM Black	Red Silicone
Shore "A" Hardness	D2240	60 ± 5	60	60	60
Tensile strength (Mpa min)	D412	7.0 min	10.5	10.5	8.5
Elongation @ break (% min)	D412	350 min	650	650	525
Tear resistance Die C (kN/m min)	D624	20.0 min	31.5	32	22
Trouser tear (kN/m min)	D624	10.0 min	14	14.5	12
Heat resistance 70 hrs @ 100°C	D573	-	-	-	-
Change in hardness (points)	D573	± 10	1	3	6
Change in tensile (%)	D573	± 25	3.5	-5	9
Change in elongation (%)	D573	± 25	-14	-16	-9
Compression set 22hrs @70°C (% máx)	D395	-	14	14.5	7
Resistance to ozone	D1171	100ppm No cracks	Passed	Passed	Passed
Low. temperature britleness (3mins @ 50°C)	D2137	No cracks	Passed	Passed	Passed
Flame resistance	UL 94	HB	Passed	Passed	Passed
Installation code for metal roofing and walling	SAAHB39-1997	-	Approved	Approved	Approved
Installation of domestic solid fuel burning products	AS2918-1990	-	Approved	Approved	Approved
Accelerated UV testing*	SAE J1960	400 hrs No cracks	Passed	Passed	Passed
Constant temperature resistance	-	-	-50°C a 115°C	-50°C a 115°C	-60°C a 200°C
Intermittent temperature resistance	-	-	-50°C a 150°C	-50°C a 150°C	-60°C a 250°C
Rain test	UL 441	Section 25	Passed	Passed	Passed

*Tests conducted at 83°C, 50% relative humidity / dry cycle and 0.48 w/m2 (UV-A 340 nm)

Others

Basic Use

Sealing of metal roof penetrations with diameters from 3 to 750mm.

Composition

Flexible EPDM membrane with aluminum bands on the edges to form & follow the various corrugations of the roof.

Surface Preparation

Surface must be clean and dry. Moisture, dust, dirt, or other foreign matter should be removed. Remove oil and grease, etc. with Effisus Cleaner or a non residue cleaner such as acetone or lacquer thinner. Remove salt and other contaminants.