

# 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.