



# SA Flex Carrier Membrane

## PRODUCT DESCRIPTION

SA Flex Carrier Membrane is a SBS polymer modified self-adhesive roofing membrane. The membrane is strengthened with longitudinally reinforced, rot-proof fibreglass reinforcement with high dimensional stability. The bottom face of the membrane is coated with a self-adhesive elastomeric compound which adheres via pressure to the laying surface. This face is protected by a silicone release film which is removed during the application process. The upper face of the membrane is covered with a polypropylene textured film which promotes adhesion to urethane coatings and adhesives used to bond insulation.

SA Flex Carrier Membrane is designed to offer the performance of traditional torch applied membranes when flame or hot works are either not allowed or will be a fire risk. The membranes laps feature a self-adhesive compound covered in a protective strip of silicone release film, this allows the laps to be sealed without the need for flame and does not risk burning heat sensitive insulation board or other materials.

The SA Flex Carrier Membrane is used as a self-adhesive carrier layer for our White-Knight cold applied liquid system in a no-flame environment. This membrane can also be used as vapour check prior to the installation of thermal insulation.

## FEATURES AND BENEFITS

### Multipurpose

The membrane can be used as a carrier layer for Garland's White-Knight cold applied liquid roofing system. Or as a vapour check layer before bonding thermal insulation to its upper surface.

### Safer

The SA Flex Carrier Membrane is designed to be applied without using a naked flame and is therefore inherently safer than traditional torch applied membranes where there is a risk of causing fire within sensitive roof details.

## USES

SA Flex Carrier Membrane can be applied over wood, metal, concrete or foil faced insulation board.

## APPLICATION INSTRUCTIONS

The substrate should be clean, dry, free of debris and dust. Porous materials such as concrete, wood, brick etc. should be primed with Garland's Garla-Prime bituminous primer prior to application. During low temperatures or on particularly difficult substrates the area must be first primed with Garland's SA Contact Primer prior to application. It is not necessary to use a primer on foil face insulation board. If in doubt you must consult your Garland Regional Technical Representative or contact the technical department.

Position the roll in place and remove the silicone-coated film from the underside of the membrane, simply overlap the sheets at the side by at least 75mm and press with a weighted roller to ensure good adhesion. If necessary use hot-air welding equipment to ensure a watertight seal.

The head laps should be hot-air welded and overlapped by at least 100mm.

**Note** - SA Flex Carrier Membrane should not be applied in temperatures below 5°C. At temperatures below 10°C careful attention needs to be paid to ensure a good bond of the self-adhesive agent to the substrate and the SA Contact Primer must be used in these instances.

Refer to specific specifications provided by your Regional Technical Manager.

## TECHNICAL DATA

### Reinforcement type:

Fibreglass

### Compound type:

Bitumen modified with thermoplastic rubber (SBS).

### Surface finishing:

Upper side: polypropylene textured film.

Lower side: Silicone release film with self-adhesive elastomeric compound.

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Characteristic	Test Method	Expression of result	Value	Units	Tolerance
Length	EN 1848-1	MLV	15	m	≥
Width	EN 1848-1	MLV	1	m	≥
Thickness	EN 1849-1	MDV	2.5	mm	± 10%
Watertightness	EN 1928:2000 Method B	Pass	60	kPa	≥
Reaction to fire	EN 13501-1	EN 13501-1	Euroclass E	-	-
External fire performance	EN 13501-5		Froof	-	-
Shear resistance of joint	EN 12317-1	MDV	150/100	N/50 mm	-20 %
Maximum tensile force	EN 12311-1	MDV	300/200	N/50 mm	-20 %
Resistance to impact	EN 12691 Method A	MLV	NPD	mm	-
Resistance to tearing (nail shank)	EN 12310-1	MDV	70/70	N	-20 %
Flexibility at low temperature	EN 1109	MLV	-25	°C	≤
Flow resistance at elevated temperature	EN 1110	MLV	100	°C	≥
Water vapour transmission after ageing	EN 1296 / 1931	MDV	NPD	-	-
Dangerous substances	-	See Note A			
Note A	This product does not contain asbestos, tar or any dangerous substance and consequently it is not subject to the production of a safety data sheet.				

For specific application recommendations, please contact your regional Garland Technical Manager or the Garland Technical Department.

