

Air & Vapour Control Layer (AVCL)

STRATABAR SA FF - Vapour Barrier

StrataBar SA FF is a self adhesive, 0.8 kg/m² elastomeric, polymer distilled bitumen membrane for use as an AVCL in roofs over high humidity spaces such as swimming pools and gymnasiums. The upper face consists of a glass fibre reinforced aluminium film, with the underside featuring a protected self-adhesive finish.

APPLICATION CONDITIONS

When using self-adhesive membranes, it is important to ensure the deck is clean, dry and sound prior to application. Attention should be paid to weather conditions; low temperatures reduce the adhesion properties of the membrane, while high temperatures softens the membrane and makes it more adhesive.

In hot conditions it is important to remove the backing film only when you are sure that the sheets are properly aligned, as, once they are bonded it is difficult to separate and realign them. In cold or foggy weather conditions moisture can condensate on both the substrate and on the membrane, inhibiting adhesion.

Primer will be required on some substrates, please contact ICB (Waterproofing) Ltd for further advice.

APPLICATION INSTRUCTIONS

1. Ensure the deck is in a suitable condition and primed with EvaPrime if required.
2. Unroll and align the first roll of StrataBar SA FF and then roll up again from both ends.
3. Cut and remove the protective film from one half of the membrane and simultaneously unroll and press down with the feet and/or with a metal roller. Repeat this step for the second half of the roll. By repeating the above, the second roll is unrolled parallel to the first, overlapping it by about 5 cm. The sheet must be laid parallel to the 1st sheet laid and must be staggered by at least 1 m to avoid four sheets overlapping to form a cross. Overlaps must consist of a maximum of three sheets meeting to form a T.

Advantages

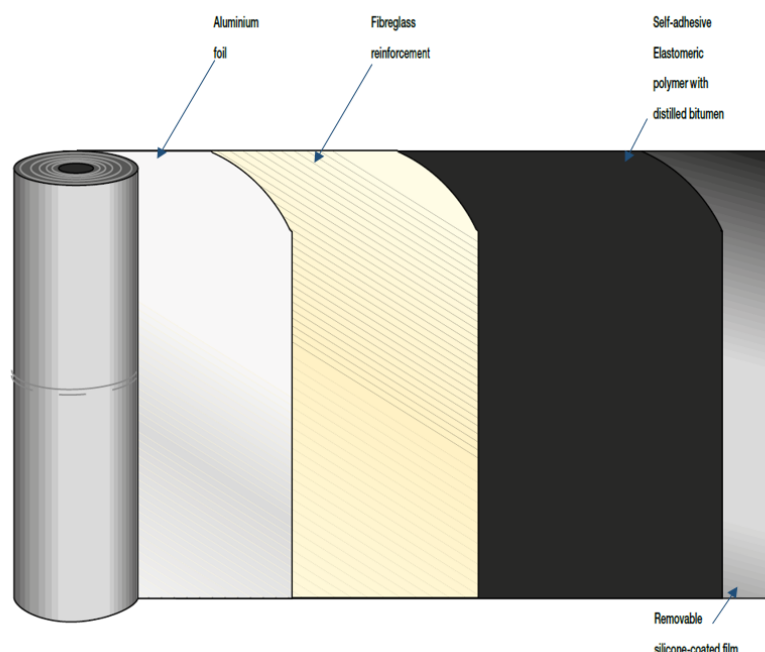
- **Quick and easy installation**
- **Flame Free, StrataBar SA FF removes the need to torch apply, elimination of risks deriving from the use of open flames**
- **Compatible with most waterproofing systems**
- **Helps remove the risk of condensation forming in high humidity environments**

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Technical Data

Reinforcement			Glass fabric composite combined with aluminum foil	
Mass per unit area	EN 1849-1	±10%	0.8 kg/m ²	0.8 kg/m ²
Roll dimensions	EN 1848-1	-1% ≥	1×30 m	0.20×30 m
Watertightness	EN 1928 – B		60 kPa	
Maximum lateral/end tensile force	EN 12311-1	-20%	900/900 N/50 mm	
Lateral/end tensile elongation	EN 12311-1	-15% P.V.	4/4%	
Dynamic puncture resistance	EN 12691 – A		NPD	
Lateral/end nail tear strength	EN 12310-1	-30%	200/200 N	
Cold flexibility	EN 1109	≤	-25°C	
High temperature sliding resistance	EN 1110	≥	100°C	
Permeability to water vapour after ageing	EN 1931 EN 1296-1931	-20% -20%	μ = 1,500,000	
Euroclass reaction to fire	EN 13501-1		E	
External fire behaviour	EN 13501-5		F roof	
Thermal conductivity			0.2 W/mK	
Thermal capacity			1.04 KJ/K-m ²	



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