

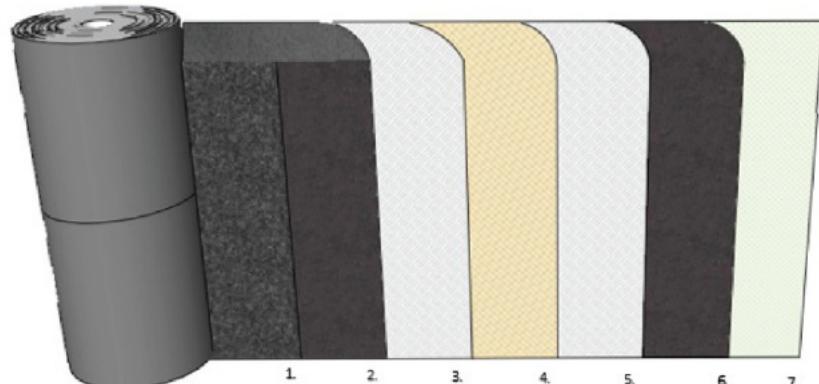


## STRATAPRO M SA

**Flame free, self-adhesive reinforced bitumen membrane high performance cap sheet**

### PROFILE

STRATAPRO M SA is a multi-layer composite bitumen waterproofing membrane. The underside of the membrane is made of SBS modified bitumen, while the upper layer is made of APP modified bitumen. The SBS on the lower face offers a high level of flexibility and boasts elongation of up to 2000%. It will remain flexible in temperatures as low as -25°C and has a high resistance to thermooxidative aging. The upper layer consists of an elastoplasticomer mix of distilled bitumen, atactic and isotactic polypropylene and UV resistant polyolefin elastomers, supplemented with thermal shock stabilisers. The membrane has a self adhesive backing, consisting of a specially selected mix of Venezuelan bitumen, tackifying resins and radial and linear elastomeric thermoplastic polymers.



1. Mineral Finish 2. APP bitumen 3. Polyester reinforcement 4. Fiberglass reinforcement

5. Polyester reinforcement 6. SBS bitumen 7. Self-adhesive backing

### APPLICATION ADVICE

Primer will need to be applied in all instances. Store the rolls in a cool dry place until you are ready to lay the membrane; rolls should remain unopened until immediately before laying. Attention should also be paid to the weather conditions on the day of installation; low temperatures reduce the adhesion properties of the membrane, while high temperatures soften the membrane and adhesive, making it more viscous thus slowing down application. In hot conditions it is important to remove the protective film only when you are sure that the sheets are properly aligned. Once they are bonded it is difficult to separate and realign them.

In cold or foggy weather conditions, moisture can condensate on the roof deck and on the membrane, inhibiting adhesion; in temperatures below +5°C laying should be suspended.

For slopes over 15° or in exposed locations, mechanical fastenings may be required. Please seek assistance from ICB (Waterproofing) LTD.



## ADVANTAGES

The STRATAPRO M SA system provides a traditional felt system that can be used in areas where hot works are not permitted. It has been independently tested for Wind and Fire resistance with data proving the system can withstand wind forces of up to 5kPa\* and holds both EXT.F.ABand Broof(t4) fire resistance ratings.

- Forms part of a FULLY flame-free RBM system
- Safer, quicker and flame-free
- Enables compliance with Safe2Torch guidelines
- Independently tested for Wind and Fire resistance

## TECHNICAL DATA

Reinforcement			Composite Three-Layer Non-Woven Spunbound and fibreglass
Thickness	EN 1849-1	±0,2	3mm
Weight Mineral	EN 1849-1	±15%	4.5 kg / m <sup>2</sup>
Roll Size	EN 1849-1	≥	1x8m
Watertightness After Aging	EN 1928-B EN 1926-1928	≥	60 kPa
Peel Resistance	EN 12316-1	-20N	100 N/50 mm
Shear Resistance L/T	EN 12317-1	-20%	6550/550
Maximum Tensile Force L/T	EN 12311-1	-20%	750/650
Elongation L/T	EN 12311-1	-15% V.A.	50/50%
Resistance to impact	EN 12691-A		1 250mm
Resistance to static loading	EN 12730-A		20kg
Resistance to tearing (nail shank) L/T	EN 12310-1	-30%	250/250 N
Flexibility to low temp. after aging	EN 1109 EN 1296-1109	≤ +15 °C	-15 °C/ -25 °C -20 °C
Flow resistance at high temperature after ageing	EN 1110 EN 1296-1110	≥ -10 °C	100 °C 90 °C
Reaction to fire Euroclass External Fire Performance	EN 13501-1		E Broof (t4) / EXT.FAB
UV Ageing	EN 01297		Test Passed
Thermal Conductivity			0.2 W/mK
Heat Capacity			5.40 KJ/K-m <sup>2</sup>
Dimensional Stability	EN 1107-1	≤	-0.20/+0.10%

