



WATERPROOFING

APPLICATIONS

FOUNDATIONS

CIVIL WORKS

SOPRA-BGM S6

TECHNICAL DATA SHEET

ANZ-TDS-116-SOPRA-BGM-S6

DESCRIPTION

SOPRA-BGM S6 is a heavy-duty reinforced geomembrane that is suitable for installation in harsh environmental conditions used in mining, civil engineering and environmental protection projects.

SOPRA-BGM S6 top and bottom surface is coated with anti-adhesive sand, reinforced with a non-woven polyester carrier. The reinforcement conveys good mechanical characteristics, excellent puncture resistance and elastic performance.

Easy and fast installation process

Good puncture resistance

High temperature resistance

Excellent wear resistance

FIELD OF APPLICATION

- Mining
- Dams
- Brine ponds
- Landfill
- Water canals

APPLICATION METHOD

SOPRA-BGM S6 is loose laid with fully heat welded end & side laps using a propane torch or hot-air welder.

INSTALLATION PROCEDURE

SUBSTRATE

- No work should be started until the substrate is firm, even, clean and free from loose materials or any construction debris on surface, vegetation or organic plant.
- Concrete substrate must be fully cured before application of the membrane with at least 28 days of drying, and that it is free of its laitance, possibly by sanding.
- Substrate must have minimum 1% fall and must always be less than 1/1 for inclines of 8 metres to avoid the risks of slope sliding.
- Commencement of installation shall be taken as acceptance of the substrate by the Applicator.

INSTALLATION

- Unroll membrane sheets onto the surface using an excavator and the metal core provided.
- Ensure specified 100 mm side-laps and 150 mm end-laps are maintained. End-laps should be staggered 1 m apart.
- Ensure all side-laps are always weld upwards on slopes and sealed watertight. During application the side laps will be pressure rolled.
- Adjust application methods to accommodate varying environmental conditions as necessary to achieve the desired results
- At the 150 mm end-laps, ensure a fully adhered watertight seal using a torch or hot-air welder. During application the side laps will be pressure rolled.
- When the membrane will be torched to a concrete substrate, it will be prepared with ANTIROCK PRIMER.
- All penetrations and upturn details should be waterproofed as per SOPREMA Installation Guides and detail drawings.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.



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PACKAGING

SPECIFICATION	TEST METHOD	SOPRA-BGM S6
Thickness	ASTM D5199	4.8 mm
Roll dimensions	-	2.2 m X 20 m
Roll weight	-	264 kg
Rolls per box	-	3 rolls

PROPERTIES

PROPERTIES	TEST METHOD	SOPRA-BGM S6 (Average)
Tensile Stress (MD)	ASTM D7275	30 kN/m
Tensile Stress (CD)	ASTM D7275	28 kN/m
Static Puncture	ASTM D4833	590 N
Elongation (MD)	ASTM D4595	65 %
Elongation (CD)	ASTM D4595	70 %
Permeability	ASTM E96	8 ⁻¹⁴ m/s
Tensile Tear Resistance (MD)	ASTM D4073	1035 N
Tensile Tear Resistance (CD)	ASTM D4073	850 N
Cold Bending	EN 1109	-30 degrees , no crack

STORAGE AND HANDLING

Rolls must be stored in the delivery packaging on an area provided for this purpose, not stored directly on the ground or staked.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative or the contractor is responsible for checking the suitability of products for their intended use.



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