

PRODUCT DATA SHEET

TECHNICAL DATA SHEET 81172104ME002
SUPERSEDES: TECHNICAL DATA SHEET SBRDSF-190507SMEIE001

DESCRIPTION

SOPRABOARD® SF is a high quality, semi flexible bituminous board for protecting waterproofing material against long term exposure, backfill and damage caused by construction traffic, concreting and other subsequent works. SOPRABOARD® SF is produced with a mix of bitumen compounds, stabilizers, modifiers and strengthened with a rot-proof glass fiber fabric reinforcement, providing high puncture resistance and a low deflection coefficient while maintaining a sufficient degree of flexibility to adapt to normal site usage. SOPRABOARD® SF provides positive protection not only during construction activities and backfilling, but also at the time of later settlement. SOPRABOARD® SF is compatible with a wide range of waterproofing systems, including: all cold applied and hot applied bituminous sheet membranes and liquid applied systems.

SOPRABOARD® SF is supplied in sheets of 1 m X 2 m, in standard thickness of 3.0 mm, 3.2 mm, 3.5 mm, 4 mm and 6 mm and finishes on both faces with a polyethylene film. SOPRABOARD® SF may also be produced in different thickness upon request to match projects' specifications.

STORAGE & HANDLING

Must be stored flat and in properly ventilated storage areas. For the outdoor storage, protect the membrane with an opaque protective cover after removal of the delivery packaging.

USER APPLICATION

SOPRABOARD® SF can be used in single ply or 2-ply, vertically and horizontally in substructure and superstructure applications. All the application guidelines are described in SOPREMA® Technical Manuals in force.

ADVANTAGES

- Durable: Excellent Resistance to Puncture & Normal Site Handling
- Robust: Withstands Normal Construction Conditions and Impact from Backfilling
- Protects Against Exposure, Construction Traffic Concreting & Other Topping Works
- Rot-Proof: Unaffected by Permanent or Periodic Immersion in Ground Water
- Semi-Flexible: Accommodates Normal Contours While Maintaining Dimensional Stability
- Impermeable to Water & Vapour

SHELF LIFE

Material will have a 12 months shelf life if stored in a dry and properly ventilated area, sheltered from the elements or any harmful substances. Material shall be adequately protected from environmental impacts to the properties or the performance of the membrane.

HEALTH, SAFETY & ENVIRONMENT

The product does not contain any substance likely to be detrimental to health or to the environment and complies with generally admitted Health & Safety Requirements. For further information please refer to relevant Material Safety Data Sheet (MSDS).

TRACEABILITY

Product traceability is ensured through a manufacturing identification present on the packaging.

QUALITY MANAGEMENT

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality Management Systems in line with ISO 9001:2015.



COMPOSITION & PACKAGING

PROPERTY	SOPRABOARD® SF				
Thickness	3.0 mm	3.2 mm	3.5 mm	4.0 mm	6.0 mm
Weight	4.5 kg / m ²	4.75 kg / m ²	5.0 kg / m ²	6.0 kg / m ²	9.0 kg / m ²
Dimension (L / W)	2 m x 1 m				
Compound	Polymer modified bitumen				

TECHNICAL PROPERTIES

PROPERTY	STANDARDS	SOPRABOARD® SF
Softening point	ASTM D36	≥ 150 °C
Bitumen content (by weight)	ASTM D4-1997	≥ 70 %
Flow resistance at elevated temperature	EN 1110	120 °C
Flexibility @ 25 °C	EN 1109	Flexible
Water absorption @ 24 hours	ASTM D570	< 0.4 %
Tensile strength MD / CMD	EN 12311-1	600 / 300 N / 5 cm
Static indentation resistance	EN-12730	No perforation @ 15 kg class L ₃
Chisel puncture resistance	In-House	< 1.0 mm
Water permeability	UEAtc	Impermeable
Chemical resistance	ASTM D543	Excellent

*Note: All products manufactured by SOPREMA comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.
Data is represented by average values, unless noted otherwise.
All values are nominal, tolerance ± 20 %*

TESTING AND CERTIFICATIONS



SUSTAINABILITY AND ENVIRONMENT

