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Technical Data Sheet

CEMSEAL SBS SA

(formerly known as CEMSEAL SA)

SBS MODIFIED BITUMEN PREFORMED WATERPROOFING MEMBRANE

DESCRIPTION

CEMSEAL SBS SA *(formerly known as CEMSEAL SA)* is a self-adhesive modified bitumen membrane with Styrene-Butadine-Styrene which enhances durability, elastomeric and flexibility in both high and low temperatures. The membrane is combined with cross laminated HDPE film ensuring good mechanical characteristics and excellent dimensional stability.

FEATURES AND BENEFITS

- Consistent thickness
- Self-adhesive
- Good mechanical properties
- Good cold flexibility
- Fully bonded
- Cold applied suitable for confined space

RECOMMENDED USE

- Below grade structures
- Sub-structures
- Tunnels and subways
- On-grade structures and podiums

PRODUCT PROPERTIES

Roll Size	1m (width) x 20m (length)
Appearance	Grey - black
Thickness	1.5mm

SUBSTRATE REQUIREMENT AND PREPARATION

The substrate and supporting structure must be of sufficient structural strength for application of waterproofing build-up. The substrate shall be smooth, clean, free of dust, curing compound, mould release agent, laitance, loose particles and other contaminants. All joints shall be prepared and filled with suitable filler or sealant. Any honeycomb, crack or damage to the concrete substrate shall be repaired with suitable cement mortar. The acceptable concrete substrate shall be in accordance with ICRI Concrete Surface Profile 1 to 5.

APPLICATION

Priming

Apply CEMSEAL PRIMER BT-S or equivalent bitumen-based primer either by roller or airless spray at 0.18 - 0.23 kg/m^2 (0.2 - 0.25 l/m^2). Allow primer to dry tack-free prior to application of membrane. Where substrate is porous, it may be necessary to re-prime the substrate. Re-prime is required should there be more than a 24-hour gap between primer and application of CEMSEAL SBS SA.

Alignment

Unroll, align and re-roll carefully before peeling off release sheet.
Side lap: min. 50 mm
End lap: min. 50 mm

Membrane Laying

While peeling off the release sheet, carefully unroll the membrane on the primed substrate ensuring no entrapped air and crease free application. To ensure optimum adhesion, use a metal or rubber roller and apply moderate pressure from the membrane centre towards the edges.

COMPATIBILITY

CEMSEAL SBS SA is compatible with CEMSEAL HDPE range of membranes.

STORAGE AND SHELF LIFE

Storage

CEMSEAL SBS SA should be stored in original manufacturer's packaging and position, at room temperature between 5°C and 25°C in a shaded, cool, dry and away from direct sun exposure. It shall also be stored at least 2 metres away from direct heat source.

Shelf Life

Expected 12 months shelf life with the above-mentioned storage conditions.

HEALTH AND SAFETY

User must refer to Safety Data Sheet before usage of this product.

BASIS OF TECHNICAL DATA

All technical data provided in this Technical Data Sheet are based on laboratory tests. Actual performance may vary due to factors beyond our control.

TECHNICAL PROPERTIES

Properties	Test Method	Typical Value	
		SBS SA-S self-adhesive	**SBS SA-D** dual-side
Dimensional Stability	SS 374 : Appendix A	± 0.5%	
Tensile Strength	SS 374 : Appendix B	≥ 3.2 N/mm² (long.) ≥ 3.2 N/mm² (trans.)	
Elongation at Break	SS 374 : Appendix B	≥ 310% (long.) ≥ 310% (trans.)	
Tensile Shear at Joints	SS 374 : Appendix C	Failure occurred outside of joint	
Pliability	SS 374 : Appendix D	No surface rupture was observed	
Water Absorption	SS 374 : Appendix E	≤ 0.8%	
Soluble Matter	SS 374 : Appendix E	≤ 0.25%	
Water Vapour Transmission	SS 374 : Appendix F	≤ 0.1g/m²/hr	
Resistance to Hydrostatic Head	SS 374 : Appendix G	No leakage	
Resistance to Leakage at Joints	SS 374 : Appendix H	No leakage	

Disclaimer:
The information and any recommendations relating to the application and end-use of all CEMSEAL products are provided in good faith based on CEMSEAL's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by CEMSEAL. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions.

For More Information:

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