

Technical Data Sheet

BS-8625 / BS-8625S X'treme MS Sealant



Product Specification

Curing System	: Moisture Curing
Density	: 1.51 – 1.56 g/mL
Tack-free Time	: 30 – 60 minutes
Tensile at Break (ASTM D412)	: 0.7 N/mm ²
Elongation at Break (ASTM D412)	: >500 %
Shore A Hardness (ASTM C661)	: 20 – 33
Joint Movement Capability (ASTM C719)	: ±50 %
VOC Content (USEPA Test Method 24)	: <50 g/L
Application Temperature	: 5 °C to 40 °C
Service Temperature	: -20 °C to 90 °C

Features

- ♦ Excellent UV Resistance – 10-year Warranty
- ♦ ASTM C920 (Class 50) Compliant
- ♦ Paintable
- ♦ Low Static Charge (Less Dirt Streaking)
- ♦ Silicone-Free (Non-Staining on Adjacent Substrates)
- ♦ Isocyanate-Free (No Air Bubbling)
- ♦ Solvent-Free (No Shrinkage)
- ♦ Primerless Bonding to Most Surfaces
- ♦ Matte Finish

Available Colors

- ♦ Matte Black
- ♦ Matte Grey

Packaging

- ♦ 290 ml (cartridge)~20/carton
- ♦ 600 ml (sausage)~20/carton

Storage

- ♦ Store in a dry and cool place, below 30 °C.
- ♦ From the date of production, 9 months in HDPE cartridge; and 12 months in aluminium foil sausage.

Description

X'treme MS Sealant is advanced low VOC acrylic modified MS Polymer construction sealant. It features matte finish and excellent weathering, UV, and temperature resistance characteristics. This sealant has low static charge, hence attracts less dust particles and reduces dirt streaking issues on façade cladding. The low VOC formula does not contain solvent & isocyanate, eliminating shrinkage and air bubbling issue. It is also free of silicone oil, reducing aesthetic issues caused by silicone oil-staining/streaking.

Applications

Sealing façade cladding (metal panels, natural stones, etc.) and concrete joints (expansion joints, control joints, etc.) for construction applications.

Directions

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. For a neat finish, apply masking tape and remove it before sealant skins over.
3. 602 Primer is recommended for porous substrates such as natural stone for excellent adhesion.
4. Cut the tip off and puncture the internal foil seal with the nozzle. Cut the nozzle at 45° angle to desired bead-width and apply the sealant to substrate with a cartridge gun.
5. Tool the sealant within 15 minutes of extrusion before it skins. Tack-free in 30 minutes.
6. Uncured sealant can be cleaned up with mineral spirits.
7. Use approved backing material for joints over 10 mm deep.

Joint Design

- ♦ Joint dimension should be designed by taking into consideration the movement capability of the sealant and the anticipated joint movement
 - ♦ Generally the joint width-to-depth ratio is 2:1 for joint width ≥12 mm, or 1:1 for joint width <12 mm
 - ♦ Joint width: minimum = 6 mm, maximum = 35 mm
 - ♦ Joint depth: minimum = 6 mm, maximum = 12 mm
- * Sealing joints with larger joint width is possible but sealant may sag in vertical applications.



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Coverage

Width	Depth	Coverage (290 ml) *	Coverage (600 ml) *
6 mm	6 mm	7.32 meter	15.15 meter
10 mm	10 mm	2.64 meter	5.45 meter
20 mm	10 mm	1.32 meter	2.73 meter
25 mm	12 mm	0.88 meter	1.82 meter

- ♦ The coverage figures shown above are approximate lineal meter run based on 10% wastage assumption. Actual coverage may vary.
- ♦ Calculation formula:

$$X / [(Y \times Z) \times 1.1] = \text{Coverage}$$

X = volume of cartridge (or sausage) in ml,

Y = joint width in cm, Z = joint depth in cm,

1.1 = 10% wastage assumption,

Coverage = lineal meter run in cm per cartridge (or sausage)

Limitations

Not recommended for following applications:

- ♦ Below waterline or permanent water immersion.
- ♦ Outdoor sealing/bonding adjacent to glass substrates.
- ♦ Polyethylene, polypropylene, polytetrafluoroethylene (Teflon), neoprene, and bituminous surfaces.
- ♦ Overcoated with
 - Alkyd resin paint - cure inhibition to the paint
 - Chlorinated paint - staining issue
 - Oil based paint - not compatible
- ♦ Used in trafficable joints greater than 10 mm width. For trafficable joint above 10 mm width, a steel cover plate is required.

Caution

Toxic to aquatic life with long lasting effect. Avoid release to the environment. Collect spillage. Keep out of reach of children. Contains aminosilane. May produce an allergic reaction. Safety data sheet available on request.

Limited Warranty Information

Bossil Technology provides material warranty for a duration of 10 years if the product is used within its shelf life and in compliance with industrial standard application procedures. Bossil Technology disclaims liability for any consequential or incidental loss or damages caused by incorrect usage. The material warranty only covers the replacement of the product without the other costs incurred, if the failure is proven to be directly related to the product within the warranty period. Material warranty will only be available once customer submits all the necessary documents and information, and an official material warranty letter is issued by Bossil Technology. Any claim of warranty shall be made directly to Bossil Technology in writing. Bossil Technology shall hold no responsibility until site inspection by representatives of Bossil Technology to confirm the alleged failure has been carried out.

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.