



Technical Data Sheet

BS-8252 High Performance MS Sealant



Product Specification

Curing System	: Moisture Curing
Density	: Approx. 1.48 g/mL
Appearance	: Non-Sagging Paste
Tack-Free Time	: ~10 minutes
Tensile Strength (ASTM D412)	: >2.0 N/mm ²
(ISO 8339)	: 0.70 N/mm ² (7.6 kgf/cm ²)
Elongation at Break (ASTM D412)	: >200 %
Lap Shear Strength (ASTM D1002)	: >0.5 N/mm ² (Al to Al)
Shore A Hardness (ASTM C661)	: 55 - 65
VOC Content (USEPA Test Method 24)	: 19 g/L
Application Temperature	: 5 °C to 40 °C
Service Temperature	: -20 °C to 90 °C

Features

- ♦ High Modulus
- ♦ High Strength Structural Glazing
- ♦ Good UV Resistance
- ♦ Paintable
- ♦ Environmental Friendly
- ♦ Primerless Bonding to Most Substrates

Available Colors

- ♦ White
- ♦ Black
- ♦ Grey

Packaging

- ♦ 290 ml (cartridge)~20/carton

Storage

- ♦ Store in a dry and cool place with temperature below 30 °C.
- ♦ Use within 9 months from date of production.

Description

A single-component, high-performance sealant based on advanced MS Polymer technology. It is solvent, silicone and isocyanate free. It is excellent in UV, weather and temperature resistance. Its adhesion over a wide variety of substrates is very good, and is paintable with most types of common industrial paints.

Applications

Suitable for high strength bonding in various construction, automotive, and industrial applications, especially applications that will subject to dynamic stresses. It is used for making permanent high-strength elastic adhesive seals in marine, automotive and industrial applications. Ideal for bonding of plastics (Nylon, PVC, ABS, Polycarbonate etc.), metals (stainless steel, aluminum, steel, copper etc.), rubber (natural rubber, synthetic rubber, silicone rubber, EPDM etc.), natural materials (wood, polywood, leather, cloths, paperboard etc.) & inorganics (concrete, mortar, natural stone, tile, glass, porcelain etc.)

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 concrete for excellent adhesion.
4. Cut tip off and puncture the internal foil seal with nozzle. Cut nozzle at 45° angle to desired bead-width and apply to substrate with cartridge gun.
5. Tooling time is 5 minutes, tack-free time is 10 minutes.
6. Uncured sealant can be cleaned up with mineral spirits.
7. Use approved backing material for joints over 10mm deep.



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Clean Up

- ♦ Wet sealants can be cleaned up with acetone or mineral spirits.
- ♦ Cured sealants can only be removed mechanically.

Limitations

Not recommended for the 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

May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects. Avoid release to the environment. Wear protective gloves and eye protection. IF ON SKIN: Wash with soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If skin irritation or a rash occurs: Get medical advice/attention. If eye irritation persists get medical advice/attention. Contains aminosilane. May produce an allergic reaction. Safety data sheet available on request.

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.