

TECHNICAL DATA SHEET

SabreSeal™ MS25



SabreSeal MS25 Building & Industrial Hybrid Sealant is a one-component, non-sagging durable elastic sealant based on MS polymer for use in high movement joints \pm 50% in building construction and manufacturing industries. Specially formulated to exhibit high UV resistance and long term performance on porous and non-porous substrates.

Benefits

- Excellent resistance to UV, weathering and ageing
- Compatible with a wide range of construction materials
- Fast curing
- Movement accommodation factor: \pm 50%
- Non slump in vertical joints
- Non-hazardous – contains no solvents, isocyanates
- Over-paintable with water based paints
- Suitable for application in high temperature and humid conditions

Applications

SabreSeal MS25 Building & Industrial Hybrid Sealant is specifically designed as a high performance joint sealant. It is suitable for use in both interior and exterior applications including applications such as, concrete panel joints, rainscreens, coolstores, roof sealing, and around windows and skylights.

Physical Properties

Specification	Typical Values
Specific Gravity (DIN 52451-A)	1.6
Skin Time	Approx. 35 minutes at 23°C / 50% RH
Cure Rate	Approx 2.5mm/24hours
Elongation at Break (DIN 53504 S2)	Approx. 400%
Complies with ASTM C920, Type S, Grade NS, Class 25, Use NT, M, G, A and O	
Shore A (ASTM 661)	30 Average
Movement (ASTM C719)	± 50%
Tensile Strength (ASTM 412)	1.32 N/mm ²
Tensile at 100% Modulus (ASTM 412)	0.5 N/mm ²
Application Temperature	+5°C to +50°C
Service Temperature	-40°C to +90°C
Storage	Store in dry shaded conditions between +5°C and +25°C.
Shelf Life	12 months if stored as recommended in original unopened packaging.

Joint Width (mm)	Joint Depth (mm)	Metres of joint per 600ml (appx)
5	5	22
10	7	8
15	8	4.5
20	10	2.7
30	15	1.3

Directions For Use

Joint Backing:

Closed cell polyethylene is the recommended backing rod material. Care should be taken with open cell polyurethane backing rods due to potential migration of materials or air entrapment.

Priming:

- Priming is not generally required, as SabreSeal MS25 has excellent adhesion to most common constructional materials.
- Perform preliminary adhesion tests on critical and unknown surfaces.
- Critical applications such as multi-story buildings or exposed areas should be primed for optimal adhesion and durability. Prime porous concrete, AAC & timber with Sabre Primer PX – leave to flash off for 30 mins. Powder-coats & metals will require a light abrasion then wiped with Sabre Surface Activator and left to flash off for 15–20 mins.
- Contact Sabre Technical Services department if you have any questions.

Application:

- Apply SabreSeal MS25 out of the cartridge or sausage into the joint, ensure air is not trapped in the joint.
- Tool surface immediately before skinning.
- Remove masking tape immediately, before the sealant has skinned off.

Painting:

SabreSeal MS25 will accept most water-based paints – test for compatibility. For the best paint bond, apply promptly after sealant cure. Moving joints should not normally be painted as the sealant will be more flexible than the paint coating and can cause crazing of the painted joint surface.

Cleaning

Remove excess sealant immediately with Sabre CC Citrus Cleaner. Ensure surface is solvent resistant before cleaning. Cured sealant can only be removed mechanically.

Limitations

- Not for aquarium use or full submersion
- Not for structural glazing
- Do not use on surfaces that may bleed oil, or plasticizers, not for bituminous or lead surfaces.
- High UV exposure may cause some discoloration of sealants, however the joint integrity is not compromised.
- Not suitable for sensitive substrates, like mirror backing and sensitive plastics without prior testing.

Packaging & Colour

- 300 ml cartridge (12 per carton)
- 600 ml sausage (20 per carton)
- White and grey

SabreSeal_MS25_TDS_2401

IMPORTANT NOTICE

Sabre Adhesives Limited makes no warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of application. Due to the fact that specific substrates, such as: plastics, polycarbonates, etc, may differ from manufacturer to manufacturer we recommend preliminary compatibility tests. Please remember that many factors can affect the use and performance in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a product. Given the variety of factors that can affect the use of our products some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

LIMITATION OF REMEDIES AND LIABILITY

If the product is proved to be defective, the sole remedy shall be to refund the purchase price or to repair or replace the defective product. Sabre shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.

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