TECHNICAL DATA SHEET

SabreSeal™ MS PRO

SabreSeal MS PRO Joint Sealant is a low modulus, non-sagging elastic hybrid polymer sealant designed for joint and perimeter sealing in the construction industry. SabreSeal MS PRO exhibits excellent long-term weathering and UV durability and is suitable for interior and exterior applications.

Advantages

Superior performance: Non slump, fast curing & offers permanent flexibility (±25%)

Versatile: Primerless adhesion to most common construction materials including damp surfaces, indoors and outdoors

Finishing excellence: Compatible with surface painting for a flawless finish

User-friendly formulation: No solvents, no isocyanates, low odour

Designed for:

- Sealing joints in various materials, including concrete, panel joints, rainscreens, coolstores
- Facade and roof sealing
- Sealing around windows and skylights
- Interior and exterior applications

Technical Data

Specification	Typical Values
Chemical Base	Silane Modified Polymer
Curing System	Moisture
Density	1.52 gr/ml
Skin dry time	Approx. 30 minutes
Curing rate	>3.5mm/ 24 hr (23° Cand %50 R.H.)
Hardness Shore A	25-30
Ultimate Elongation	780%
Tensile strength	≥0.8Mpa
100% Tensile Modulus	≤0.4Mpa
Shrinkage	≤ 1.5%
Service Temperature	-50°C to +120°C
Application Temperature	+5°C to +35°C

Joint Width (mm)	Joint Depth (mm)	Metres of joint per 600ml (appx)
10	10	6
15	10	4
20	10	3
30	15	1.33

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 MS PRO has excellent adhesion to most common construction materials.
- Perform preliminary adhesion tests on 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 MS PRO out of the 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 MS PRO 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
- Sensitive substrates like mirror backings should be tested prior to application
- Not suitable for polyethylene, polypropylene and fluoroplastic

Packaging & Colour

Available colours: Grey
Packaging sizes: 600 ml sausage (20/carton)

Storage & Shelf Life

Store in a cool dry place between +5°C and +25°C. Shelf life 12 months from date of manufacture.

Health & Safety

Before handling or opening this product, obtain & read the Safety Data Sheet (SDS) available at www.sabreadhesives.com and ensure all safety precautions are followed.

First Aid

If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766) and have the SDS and product label at hand.

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.

New Zealand

+64 6 366 0007
40-42 Cambridge St South
Levin 5510

Australia

+61 3 8657 5507
176 Paramount Blvd
Derrimut, VIC 3026, Australia