

# SabreSeal™ MS

SabreSeal MS Facade is a durable elastic hybrid sealant for use in high movement joints (+/-25%) in building construction and manufacturing industries. For use as a flexible adhesive/sealant on concrete construction joints, ACM cladding/facades, joinery, HVAC, cool stores, marine, roofing, spouting and insulation. Specially formulated for high UV resistance and long term performance on porous and non-porous substrates.

## Benefits

- Permanently flexible (+/- 25%)
- BRANZ Appraisal No. 892 [2020]
- Meets ISO11600 Group F, Class 25LM requirements
- High UV stability for extreme ultra violet exposure
- Non-hazardous – contains no solvents, isocyanates
- Easy tooling and extrudability in low temperatures
- Non-slump formulation for vertical joints
- Paintable and no priming required on most substrates – see painting section on page 2
- Neutral cure – safe for use on sensitive substrates
- Resistant to chemicals and petrol (10% dilute acids/alkalis, most solvents)



## Specification

<b>Skin Time @ 23°C 50% r.h</b>	20 – 40 minutes
<b>Maximum Extension</b>	+400%
<b>Peel Adhesion (clean aluminium)</b>	23ppi/100% CF 1.6 N/mm <sup>2</sup>
<b>Lap Shear (DIN 53283/ASTM D1002)</b>	1.9MPa (N/sq.mm)
<b>Hardness Shore 'A'</b>	25 (+/- 5)
<b>Elastic Recovery</b>	> 80%
<b>ISO11600 F Class</b>	25LM
<b>Shear Strength</b>	1.44 N/mm <sup>2</sup>
<b>Application Temperature</b>	5°C to 35°C
<b>Service Temperature</b>	-40°C to 150°C

## Joint Application

Substrates to be clean of oil, flaky or incompatible paint, dirt, cement dust, contaminants and old sealant. Mask joint edges if a perfect finish is required, and remove masking before sealant has skinned. Insert PEF backing rod into the joint to ensure correct depth of sealant and to prevent 3-sided adhesion. Joint width to depth ration should be approx. 2:1 i.e for a 20mm wide joint depth should be 10-12mm.

Extrude sealant in a consistent bead, ensuring the sealant makes full contact with the sides of the joint by tooling it firmly into the gap, which ensures good adhesion. Finish joint with smoothing liquid to obtain a smooth even surface.

## Physical Properties

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

## Priming

Priming is not generally needed, as SabreSeal MS Facade has excellent adhesion to most construction materials. 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 min. Powder-coats & metals will require a light abrasion then be wiped with Sabre Surface Activator and left to flash off – 15- 20 mins.

## Painting

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

## Important

- Not for aquarium use or full submersion
- Not for structural glazing
- Do not use on surfaces that may bleed oil or plasticizers
- High UV exposure may cause some discolouration of sealants, however joint integrity is not compromised.

## Packaging & Shelf Life



**Available colours:** White • Black

**Packaging size:** Cartridge 300ml (carton of 12 cartridges). Foil packs 600ml (carton contains 20 foil packs).

Shelf life is 12 months unopened, in cool, dry conditions at temperatures between 5°C and 25°C.



## Precautions

SabreSeal MS is non-hazardous but can cause irritation. Use with adequate ventilation. Vapour inhalation during cure may cause slight eye and/or throat irritation. Enclosed space use requires a nose / mouth organic vapour respirator.

Wear PVC or latex gloves to prevent skin drying / irritation or contamination. Wear safety glasses if eyes may be contacted.

Use reasonable care, as with all chemicals

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### 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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