

SABRE SEAL MS



PRODUCT DESCRIPTION

SABRE SEAL MS 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/façades, 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 [2015]*
- ✕ *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)*

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TECHNICAL CHARACTERISTICS

Skin time @ 23°C 50% r.h	20 – 40 minutes
Maximum extension	+400%
Peel adhesion (clean aluminium)	23ppi/100% CF 1.6 N/mm ²
Lap shear (DIN 53283/ASTM D1002)	1.9MPa (N/sq.mm)
Hardness shore 'A'	25 (+/- 5)
Elastic recovery	> 80%
ISO11600 F Class	25LM
Shear strength	1.44 N/mm ²
Application temperature	5°C to 35°C
Service temperature	-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.

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 Sabre MS 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 P – leave to flash off for 30 min.

Powder-coats & metals will require a light abrasion then be wiped with Surface Activator and left to flash off – 15-20 mins.

PAINTING

SABRE SEAL MS 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.

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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 - Grey - 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

SABRE SEAL 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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