

SabreBond™ SMP60

SabreBond SMP60 is a high stress structural bonding, neutral adhesive / sealant. Flexible class A (+/-50%) joint movement. Ideal for production / repair of heavy duty interior / exterior bonded applications, including high-traffic flooring, transport, production industry and building construction. Also specialist industrial bonding and as a robust one-part unheated castable polymer (vibration pads, gaskets etc.)



Benefits

- High UV stability for Australia and New Zealand's high ultra violet exposure
- No solvents, isocyanates, biocides, silicone or fire risk Easy tooling, non-slump, smooth skinning, non-melt & colour stable
- Very flexible and early green strength – an ideal alternative to rivets, bolts & welding
- Paintable and no priming required on most substrates (see notes on page 2)
- British standard colours available on indentorder
- High dielectric strength – won't promote corrosion between dissimilar metals when full adhesive spread is used

Applications

Joint Application: Substrates to be clean of oil, dirt, contaminants and old sealant. Mask joint edges. Cut nozzle end at 45° angle to the desired opening. Cut end from cylinder bung leaving the thread. Screw nozzle to bung thread. Place in cylinder applicator gun. Insert nozzle into joint, squeeze trigger and push gun in a forward direction – never pull backwards as air may be trapped in joint preventing a good seal. Remove masking before skinning.

Priming: Prime porous concrete, timber, brick and stone with Sabre Primer PX. Prime critical nonporous surfaces, i.e. hi-nickel, stainless steel or bronze, with Sabre Surface Activator.

Painting: SabreBond SMP60 is suitable for most paints – test for compatibility. For best paint bond, apply promptly after sealant cure. ‘Slippery’ powder-coats will bond better if lightly abraded then wiped with Sabre Trade Wipe.

Technical Characteristics

Base	Silane Modified Polymer
Consistency	Stable Paste
Curing System	Moisture Cure
Skin Formation/Tooling Time (*)	<12 min (20°C/50% RV)
Curing Rate (*)	2.85mm (25°C/50% RV)
Hardness Shore A	65 +/- 5
Green Strength (PR MC100)	+300 Pa
Specific Gravity	1.67 g/ml
Flexible Class A	(+/-50%) Joint Movement
Service Temperature	-40°C until +140°C (Up to 300°F for short periods)
Low Temperature	Flexibility properties retained to -60°C
Viscosity C&P @ 0.6 s-1 (Pa.s)	2000
Tear Strength @ 100% Elongation	(DIN 53504) (Rate = 50mm/min) 3.2MPa (N/sq.mm)
Elongation at break	>300% (DIN 53504/ISO37 = 50mm/min)
Shear Strength	>2 N/mm ² (ASTM D1002 - rate - 6mm/min)
UV Rating After 2000hrs UV-A	UV-A No physical or property changes ASTM G26
Density @ 20°C	1.4-1.5g /cm ³

(*) These values may vary depending on environmental factors such as: temperature, moisture and type of substrates.

Packaging & Shelf Life



Available colours: White • Black • Grey

Packaging size: Cartridge 300m • Foil packs
600ml

18 months unopened, in a cool, dry storage
place at temperatures between 5°C and 25°C



Important

- Not for aquarium use
- Not for prolonged exposure to highly alkaline materials, e.g. petrol, lye.

Precautions

SabreBond SMP60 is non-hazardous but can cause irritation. Use with adequate ventilation. Vapour inhalation during cure may cause slight eye and/or throat irritation. In normal use respiratory protection is not needed. 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.

Notes

SabreBond SMP60 may be overpainted with most types of lacquer used in industrial applications, however, due to the large number of paints and varnishes available we strongly advise a compatibility test before application. The drying time of alkyd resin based paints may increase. As Sabre Bond SMP60 can be applied to a wide variety of substrates such as: plastics, polycarbonates etc. which may differ from manufacturer to manufacturer we recommend preliminary compatibility tests. The directives contained in this document are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are outside of our control, we cannot accept any responsibility for the results obtained.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

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