

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 indent order
- 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 Material	Hybrid Polymer
Consistency	Stable Paste
Curing System	Moisture
Through Cure Rate (mm/24hrs)	4
Density (kg/l)	1.5
Elasticity Modulus at 100% (N/mm²) ISO 37	>1.2
Elongation at Break (%) ISO 37	>300
Tensile Strength (N/mm²) ISO 37	>2.8
Max Open Time (mins)	46
Shear Strength (N/mm²) ASTM D1002 - rate - 6mm/min	≥2
Shore A Hardness ±5	65
Skin Over Time (mins)	12
Viscosity C&P @ 0.6 s⁻¹ (Pa.s)	2000
Volume Alteration (%)	<1
UV Resistance ASTM G154 (CIELab - ΔE)	<1

(*) 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 300ml

• Foil packs 600ml

Shelf life: 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.

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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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