

TECHNICAL DATA SHEET

SabreBond[™] SMP45



SabreBond SMP45 is a high-grade, multipurpose adhesive that boasts extremely high flexibility for demanding applications. It is suited for both industrial bonding and sealing applications, and specialised construction sealing. It has a wide adhesion range to most construction materials, including most metals, timber and most plastics.

Advantages

- High flexibility
- Non-corrosive
- Paintable
- Stable at temperatures from -40 °C to +80 °C
- Solvent free
- Highly UV stable
- High bond strength
- Primerless adhesion

Designed for:

- Medium duty industrial bonding
- Industrial sealing
- Sealing of trafficable floor joints

Technical Data

Property	Value
Base material	Hybrid Polymer
Maximum open time (mins)	30
Shore A Hardness (± 5)	35
Shear strength (N/mm ²) (ASTM D1002 - rate - 6mm/min)	1.60
Tensile strength (N/mm ²) (ISO 37)	2.80
Elasticity modulus at 100% (N/mm ²)	0.7
Consistency	Stable Paste
Density (kg/l)	1.4
Elongation at break (%) (ISO 37)	700
Through cure rate (mm/24 hours)	3

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

Directions

Surface Preparation: Substrates to be clean of oil, dirt, contaminants and old sealant. Mask joint edges.

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 SMP45 is suitable for most paints - test for compatibility. For best paint bond, apply promptly after sealant cure.

Bonding: Cut off the end of the sausage and insert into a manual or pneumatic gun. Place the sausage nozzle on top of the sausage, and screw on the cap. Cut back the nozzle to the required size. Apply adhesive sealant to the substrate. Remove masking before skinning.

Joint application: Insert nozzle into joint, apply adhesive sealant moving gun in a forwards direction - never pull backwards as air may be trapped in joint preventing a good seal. Remove masking before skinning.

Packaging & Colour

Available colours: Black • White • Grey

Packaging size: Foil packs 600ml

Storage & Shelf Life

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

SabreBond_SMP45_TDS_2501

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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