

# SabreSeal™ FL



SabreSeal FL is a professional grade one-component, moisture-curing, low modulus 100% silicone sealant with excellent adhesion, superior flexibility, and very good processing properties for construction and industrial applications. SabreSeal FL has been developed specifically for application in sealing concrete joints in flooring applications. It exhibits superior adhesion performance, excellent movement capability, and non-sag properties, make it well suited for applications requiring a high level of durability.

## Features

- 100% neutral silicone
- ±50 % movement capability
- Solvent-free
- Superior primerless adhesion
- Excellent gunability in a wide range of temperature conditions
- Excellent UV stability
- Tack-free and highly elastic after curing
- Non-corrosive
- Low modulus

## Applications

- Sealing joints between a wide variety of materials, such as concrete, wood, metal or mineral based substrates
- Sealing construction floor joints and connection joints in new construction, repair or remedial applications
- Perimeter sealing
- Glazing and cladding applications

## Technical Data

### Properties Uncured

| Property                   | Value                         | Method              |
|----------------------------|-------------------------------|---------------------|
| Density                    | 1.34 - 1.38 g/cm <sup>3</sup> | DIN EN ISO 1183-1 A |
| Consistency                | non-sag                       | ISO 7390            |
| Extrusion rate - mass flow | 350 g/min                     | internal method     |
| Skin formation time        | max. 15                       | internal method     |

These figures are only intended as a guide and should not be used in preparing specifications.

### Properties Cured

| Property                    | Value                       | Method                  |
|-----------------------------|-----------------------------|-------------------------|
| Movement capability         | ±50 %                       | ASTM C719               |
|                             | ±25 %                       | ISO 11600               |
| Modulus at 100 % elongation | ≤ 0.4                       | ISO 8339-A              |
| Elongation at break         | 700 - 800 %                 | ISO 37 - S2 (2 mm film) |
| Hardness Shore A            | 25                          | ISO 868                 |
| Tensile strength            | 1.0 - 1.5 N/mm <sup>2</sup> | ISO 37 - S2 (2 mm film) |

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## Application Direction

SabreSeal FL exhibits excellent primerless adhesion to most non-porous construction materials. e.g. glass, tiles, ceramics, concrete, enamel, glazed tiles.

- **Preparation:** Surfaces must be clean, dry and free of dirt, grease, oil or water.
- **Masking:** To avoid contamination and damage attach a masking tape on the side of work area.
- **Sealing & Tooling:** Fully fill in cross point or side edge point of the joint without empty space without bubbles.
- **Curing:** Protect from dust and pollutant to avoid being damaged on the surface of sealant while curing

## Certification

- SabreSeal FL is classified KS F 4910 F-25LM / Eco-Label certificate.

## Limitations

Not recommended for following applications:

- Insulating glass or mirrors
- Sealing aquariums or long term use under water
- Natural stone, such as marble, granite, quartzite, as it can cause staining
- Structural glazing bonding
- Food grade applications where the joints are likely to come in contact with food
- Avoid contact with metals such as lead, copper, brass or zinc due to corrosion
- The use of tooling agents should be avoided if possible. Otherwise, water or a diluted solution of a little neutral soap or alcohol in water should be sparingly applied.

## Packaging

- **Available colours:** Grey
- **Sausage:** 600ml (20ea/1box), Shelf life is 18 months from production date

## Storage

Store in a dry and cool place with temperature below 30 °C. (Do not store below 5 °C)

## Safety notes

During vulcanization methylethylketoxime is released. These vapors should not be inhaled for long periods or in high concentration. Hence, good ventilation of the work place is necessary. Should uncured silicone rubber come into contact with eyes or mucous membranes, the affected area must be rinsed thoroughly with water as irritation will otherwise be caused. Cured silicone rubber, however, can be handled without any risk to health.

Keep away from children.

Comprehensive instructions are given in the corresponding Material Safety Data Sheet.

They are available on request from Sabre or via <http://www.sabreadhesives.com>

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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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