

Technical Data Sheet

Pattex SF525 – Premium Sanitary Silicone

DESCRIPTION

A premium sanitary sealant with triple mould-protection based on SilicoFlex™ Technology

FIELDS OF APPLICATION

Pattex SF525 can be used for sealing of joints in sanitary and wet areas such as bathtubs, wash basins, shower cabins, kitchen sinks, toilets, tiles etc.

BENEFITS

Pattex SF525 is a low modulus, one component, ready-to-use sealant (acetox type) for sanitary or other construction sealing applications where very high mildew resistance is required.

- high mildew resistance by unique triple protection system
 - Avoids adhesion of mould spores
 - Stops growth of mould on the surface
 - Inhibits the production of mould spores
- low modulus
- 12.5% movement capability
- easy to extrude
- smooth and glossy appearance which complements glazed sanitary ware and ceramic tiles
- excellent UV, weather and ageing resistance
- waterproof
- primerless adhesion to glass, ceramics, glazed surfaces and anodized aluminium
- good resistance against conventional cleaning products and a lot of chemicals

STANDARDS

EN 15651-1 (CE marking)	product type F-EXT-INT: sealant for facade for interior and exterior applications
EN 15651-2 (CE marking)	product type G: sealant for glazing applications
EN 15651-3 (CE marking)	product type S: sealant for sanitary applications
EN 15301-1	reaction to fire: class F
ISO 846-B	microbiological growth : level 1
ISO 1600	Class F-12,5E

TECHNICAL DATA

Before curing	
Type of silicone	Acetox type
Appearance	Paste
Density (ISO 2811-1)	~ 0,99 g/ml
Resistance to flow (ISO 7390)	~ 0 mm

Curing	
Skin formation time(+23 °C / 50% RH)	~ 15 min.
Curing speed (+23°C, 50% RH, cross-section of joint 20x10mm)	~ 2 mm / day
Application temperature	+ 5 to + 40°C

After curing	
Shore A hardness (ISO 868)	~ 20
Movement capability (ISO 11600)	12,5%
Max. joint width	30 mm
Change of volume (ISO 10563)	~ 25%
Temperature Resistance	- 30 to + 120°C

Mechanical properties	
Elastic recovery (ISO 7389-A)	~ 95%
Modulus at 100% elongation (ISO 8339-A)	~ 0,4 N/mm ²
Elongation at break (ISO 8339-A)	~ 100%

INSTRUCTIONS FOR USE

Pattex SF525 is supplied ready-to-use silicone and can be applied from the original packaging with no special pre-treatment.

Surface preparation

All surfaces must be clean and dry, free from any dust and grease or anything which may be detrimental to correct adhesion of the sealant.

Residues of old sealant or other materials as well as mould on the substrate must be removed completely (if necessary use a silicone remover).

Degreasing is performed using a pad soaked in solvent (alcohol or white spirit) followed by wiping with a clean cloth.

Dust should be removed using oil-free compressed air.

To get best sealing results it is recommended to mask edges of the joints with a tape before application of the sealant mass.

Priming

Although Pattex SF525 will bond well to most surfaces it is recommended to use a primer on certain substrates to ensure a strong and uniform bond.

On steel, metals and plastics use primer P819 before application of Pattex SF525. In case of porous materials it is recommended to use primer P800.

Joint dimensions

The movement capability of the sealant as well as local regulations must be considered.

In general, the joint width must be > 10mm and < 35mm and the joint width should be twice the depth.

In case of rectangular sanitary joints, it is necessary to maintain a minimal depth of 5mm.

In case of triangular joints, both contact areas should be minimum 5mm wide.

Sealant application

Once a seal back-up material has been put in place (closed-cell polyethylene foam with surface skin or open-cell polyurethane foam), the sealant should be applied ensuring that the seal is completely filled.

Smoothing off the seal ensures good contact between the sealant and the bonding surfaces.

Directly after application, spray the joint with a mild detergent solution (soapy water) and smooth off with an appropriate tool.

Remove any tape immediately before surface skin is formed.

Smooth over any proud sealant edges immediately.

Cleaning tools

Areas soiled with fresh sealant may be cleaned with a dry pad or a pad soaked in a solvent.

Any cured sealant can be removed by scraping (e. g. using a razor blade) or by using a special silicone remover product.

**STORAGE**

Store Pattex SF525 in a dry place between +5 °C and +25 °C.
Shelf life is 18 months in the original packaging after date of manufacture

PACKAGING

280 ml

COLORS

White
Transparent

SAFETY

For further information, please refer to MSDS or contact our Technical Service team.