



# Technical Data Sheet



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## Pattex Sanitary Silicone White, Trans, Light Grey, Dark Grey

### CHARACTERISTICS

**Pattex Sanitary Sealant** is a low modulus, one component, ready-to-use, silicone sealant (acetoxy type) which contains a fungicide for general sanitary sealing applications.

- Low modulus
- 12,5% movement capability
- Easy to extrude and apply
- 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

### APPLICATIONS

**Pattex Sanitary Sealant** can be used for:

- Sealing of joints in sanitary and similar applications
- Sealing of joints at bathtubs, wash basins, shower cabins, kitchen, toilets, aluminium profiles, tiles etc.
- Sealing of joints in wet rooms / areas



## 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 E
ISO 846-B	microbiological growth: level 1
ISO 1600	Class F-12,5E

## TECHNICAL DATA

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

<b>Curing</b>	
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

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

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

## INSTRUCTIONS FOR USE

**Pattex Sanitary Sealant** 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 is likely to impair 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).

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



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

After joint and substrate preparation, if necessary, insert backing rod (closed cell, PE-foam backing rods) to required depth.

### **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**

Apply sealant 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 cloth soaked in white spirit.

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

### **Please note**

The joint must be cleaned and maintained regularly.

Take care of a good and regular air circulation in the room where the sealant is applied.

Curing speed is depending on temperature, air humidity and on the dimensions of the joint. Low temperatures, low air humidity or large joint dimensions need longer to cure.

### **LIMITATIONS**

**Pattex Sanitary Sealant** must not be used on sensitive surfaces which could react with the acetic acid which is released during cure.

**Pattex Sanitary Sealant** is not recommended for structural glazing applications.

**Pattex Sanitary Sealant** is not recommended for joints that are in direct food contact.

**Pattex Sanitary Sealant** is not recommended for swimming pool joints, for aquarium joints or for applications under water.

**Pattex Sanitary Sealant** seals must not be over-painted (poor covering and adhesion of the paint).

Before using **Pattex Sanitary Sealant** on painted substrates, paint has to be completely dry and cured. Prior compatibility tests are recommended, considering the variety of paints that exist.

**Pattex Sanitary Sealant** is not recommended on materials which can exude certain components over time (butyl sealant, EPDM rubbers, polychloroprene, etc.). Discolouration or reduction of adhesion properties could take place.

Application of **Pattex Sanitary Sealant** on natural stone (e.g. marble, granite) is not recommended. For applications on natural stone use a special natural stone silicone.



**Pattex Sanitary Sealant** is not recommended for applications on PMMA (Plexiglass®), PTFE (Teflon®), polyethylene and polypropylene.

For any applications on sensitive surfaces carry out preliminary testing to check compatibility with the sealant.

## GENERAL INFORMATION

### Storage

Store **Pattex Sanitary Sealant** in a dry place between +5 °C and +25 °C.

Shelf life is 18 months in the original packaging after date of manufacture (the expiry date is shown on the packaging).

### Packaging

280ml PE Cartridge

### Colours

White

Translucent

Light Grey

Dark Grey

## HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available on request.

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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