



# Technical Data Sheet



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## Pattex Speed Silicone



### CHARACTERISTICS

Pattex Speed Silicone is a fast curing, high modulus, one component, ready-to-use, pure silicone sealant (acetox type) which contains a fungicide for general sealing and bonding sanitary applications.

- 100% silicone
- High modulus
- 25% movement capability
- Fast curing = can shower after 1-hour application
- Good workability / tooling due to high viscosity
- Excellent UV-, weather and ageing resistance
- Waterproof
- Smooth and glossy appearance which complements glazed sanitary ware and ceramic tiles
- Primerless adhesion to glass, ceramics, vitreous, painted surfaces and anodized aluminium
- Resistance to fungal growth
- Good resistance against conventional cleaning products and most common household chemicals

### APPLICATIONS

Pattex Speed Silicone can be used for:

- sealing and bonding of joints / expansion joints in sanitary and similar applications
- sealing around bathtubs, sinks, shower installations, tiles and plumbing fixtures
- Sealing of joints in wet rooms / areas



## STANDARDS

EN 15651-1 (CE marking)	product type F-INT: sealant for facade for interior 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 11600	able to pass class F-25HM and G-25HM

## TECHNICAL DATA

<b>Before curing</b>	
Type of silicone	Acetoxxy
Appearance	Paste
Density (ISO 2811-1)	~ 1,04 g/ml
Resistance to flow (ISO 7390)	~ 0 mm

<b>Curing</b>	
Skin formation time (+23 °C / 50% RH)	~ 7 min.
Curing speed (+23°C, 50% RH, cross-section of joint 20x10mm)	~ 3 mm / day
Application temperature	+ 5 to + 40°C

<b>After curing</b>	
Shore A hardness (ISO 868)	~ 23
Movement capability (ISO 11600)	25%
Max. joint width	30 mm
Change of volume (ISO 10563)	~ 5%
Temperature Resistance	- 50 to + 150°C

<b>Mechanical properties</b>	
Elastic recovery (ISO 7389-A)	~ 95%
Modulus at 100% elongation (ISO 8339-A)	~ 0,5 N/mm <sup>2</sup>
Elongation at break (ISO 8339-A)	~ 300%

## INSTRUCTIONS FOR USE

Pattex Speed 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 Speed Sealant must not be used on sensitive surfaces which could react with the acetic acid which is released during cure such as copper, brass, natural stone (travertine, marble etc.) For applications on natural stone use a special natural stone silicone.

Pattex Speed Sealant is not recommended for structural glazing applications.

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

Pattex Speed Sealant is not recommended for swimming pool joints, for aquarium joints or for applications under water or in areas of permanent damp.

Pattex Speed Sealant cannot be over-painted.

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

Pattex Speed Sealant is not recommended for applications on PTFE (Teflon®) or polyethylene.



## GENERAL INFORMATION

### Storage

Store in a dry place between +5 °C and +25 °C.

Shelf life is 24 months in the original packaging after date of manufacture (the expiry date is shown on the packaging).

### Packaging

300ml PE-cartridge

### Colours

White

## 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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