Technical Data Sheet

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Ref: NRPTX13000TDS
Issued: 23.08.21
Number of pages: 4

Pattex Glass Silicone

CHARACTERISTICS

Pattex Glass Silicone is a low modulus, one component, ready-to-use, silicone sealant (acetoxy type) which contains a fungicide for glazing applications.

- 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, vitreous, painted surfaces and anodized aluminium
- Resistance to fungal growth
- Good resistance against conventional cleaning products and many chemicals

APPLICATIONS

Pattex Glass Silicone can be used for interior and exterior sealing of glass including sanitary applications

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

Before curing	
Type of silicone	Acetoxy
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)	~ 20%
Temperature Resistance	- 30 to + 120°C

Mechanical properties	
Elastic recovery (ISO 7389-A)	~ 95%
Modulus at 100% elongation (ISO 8339-A)	~ 0,4 N/mm²
Elongation at break (ISO 8339-A)	~ 100%

INSTRUCTIONS FOR USE

Pattex Glass Silicone 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 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.

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 big joint dimensions need longer curing speeds.

LIMITATIONS

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

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

Pattex Glass Silicone is not recommended for structural glazing applications.

Pattex Glass Silicone is not recommended for joints that are in direct food contact.

Pattex Glass Silicone is not recommended for swimming pool joints, for aquarium joints or for applications under water.

Pattex Glass Silicone seals must not be over-painted (poor covering and adhesion of the paint).

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

Pattex Glass Silicone 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 Glass Silicone on natural stone (e.g. marble, granite) is not recommended. For applications on natural stone use a special natural stone silicone.

Pattex Glass Silicone is not recommended for applications on PMMA (Plexiglass®), PTFE (Teflon®), polyethylene and polypropylene.

GENERAL INFORMATION

Storage
Store Pattex Glass Silicone 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
280ml PE cartridges

Colours
translucent

HEALTH AND SAFETY

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

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