

Technical Data Sheet

Issued: May 2020

Pattex SP 101 Sanitary

CHARACTERISTICS

All purpose, one-part, elastic joint sealant and multipurpose adhesives for indoor and outdoor applications, resistant to mould, based on Flextex®-Technology.

- Excellent mould resistant
- Good elasticity - movement capability 25%
- Excellent adhesion to a wide range of construction materials without primer
- Suitable for natural stones (like marble, granite)
- Can be applied to damp surfaces
- Very good UV-, weather and ageing resistance
- Free of isocyanates
- Solvent-free
- No shrinkage during curing
- Good compatibility with paints – can be painted over after curing

APPLICATION FIELD

Pattex SP 101 Sanitary bonds well on a wide variety of substrates and is recommended for use in elastic sealing and bonding applications in particular in sanitary applications where resistant to mould is needed.

MATERIALS

Pattex SP 101 Sanitary is suitable for almost all building materials such as glass, concrete, brick, tiles, ceramic, fiber-cement, galvanized steel, stainless steel, iron, painted metals, lacquered aluminum, anodized aluminum, wood, marble, PVC, etc.

Suitable for gluing and sealing mirrors.

It does not adhere to PE, PP, PTFE (Teflon®), PMMA (Plexiglass®). In case of unknown materials or critical applications contact the technical assistance.

STANDARDS / APPROVALS

- | | |
|---|--|
| ➤ ISO 846-B | Microbiological growth: Level 0 |
| ➤ Conforms to EN ISO 11600 | Class F-25HM, sealant for building construction |
| ➤ Conforms to EN 15651-1 (CE marking) | Class 25HM, product type F-EXT-INT: sealant for facade for interior and exterior application |
| ➤ Conforms to EN 15651-3 (CE marking) | Class XS1, product type S: sealant for joints in sanitary areas |
| ➤ Conforms to ISO 16938-1 and -2 | Suitable for natural stone, no staining |
| ➤ Conforms to IVD-Instruction Sheet No. 9 | Perimeter joints of windows and exterior doors |
| ➤ GEV EMICODE®: | EC 1 ^{plus} (very low emissions) |
| ➤ VOC emission class (France): | A+ |
| ➤ EN 15301-1 | Reaction to fire: Class E |

INSTRUCTIONS FOR USE

Application

Pattex SP 101 Sanitary is supplied ready to use and can be applied from the cartridge using a standard air or hand operated gun, with no special pre-treatment.



Sealing application:

The joint width must be designed to suit the movement capability of the sealant. In general the joint width must be > 10 mm and < 35 mm. A width to depth ratio of ~1:0.5 must be maintained.

After joint and substrate preparation, insert backing rod (closed cell, PE-foam backing rods) to required depth and apply primer if necessary. Insert cartridge into sealant gun and firmly extrude Pattex SP 101 Sanitary into joint making sure that it is full contact with the side of the joint. Fill the joint, avoiding air entrapment. Pattex SP 101 Sanitary must be tooled firmly against joint sides to ensure good adhesion. Masking tape must be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant has still not formed a skin.

After application, the product can be smoothed with soapy water before skinning for a perfect sealant surface.

Bonding application:

After substrate preparation apply Pattex SP 101 Sanitary in strips or spots on the bonding surface at intervals of a few centimeters. Use hand pressure to set the element to be bonded into position. If necessary, use adhesive tape, wedges, or props to hold the assembled elements together for the initial hours of curing. An incorrectly positioned element can be easily unfastened and repositioned in the first few minutes after application. Apply pressure again.

Optimum bonding will be obtained after complete curing of Pattex SP 101 Sanitary, i.e. after 24 to 48 hours at +23°C for a thickness between 2 to 3 mm.

Cleaning tools

Clean tools and application equipment with white spirit immediately after use. Cured material can only be removed mechanically.

Product may only be used for mirror bonding if the mirror coating and the protective lacquer complies with EN 1036-1. In case of unknown mirror qualities please ask mirror producer for an approval.

TECHNICAL DATA:

Uncured product

Base:	Flextec®-Polymer
Odour:	Alcohol
Application temperature:	+5°C to +40°C (substrate and ambient)
Consistency:	Non-slump paste
Density:	~ 1.4 g/ml (ISO 2811-1)
Skin formation time:	~ 25 minutes (23°C, 50% r.h.)
Curing speed:	~ 2 mm / 24 hours (23°C, 50% r.h., bead 20x10mm)

Cured product

Shore A hardness:	~ 30 (ISO 868)
100% Modulus :	~ 0,60 N/mm ² (ISO 8339-A)
Tensile strength:	~ 0,9 N/mm ² (ISO 8339-A)
Elongation at break:	~ 300 % (ISO 8339-A)
Elongation at break:	~ 400 % (ISO 8339-B)
Elastic recovery:	~ 80 % (ISO 7389-B)
Movement capability	25 % (ISO 11600-F)
Recommended joint width	10-35 mm
Service temperature:	-40°C to 80°C

Storage

15 months if stored in unopened original cartridges at temperatures between +10°C and 25°C.

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. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.