



PolySto Hard Fix Glue

DESCRIPTION

PolySto Hard Fix Glue is a one component, neutral vulcanising, ready-to-use elastic adhesive sealant, based on Hybrid polymer. **PolySto Hard Fix Glue** vulcanises by reaction to humidity in the atmosphere.

PolySto Hard Fix Glue has a high resistance to ageing, weathering, high and low temperatures (-40°C to +90°C) and is mould resistant.

PolySto Hard Fix Glue combines a number of properties. **PolySto Hard Fix Glue** is paintable and can be used as an elastic sealant adhesive on a number of surfaces, including natural stone. **PolySto Hard Fix Glue** is highly suited as glazing sealant: the product is flexible and has an exceptional initial adhesion and a strength of bond for heavy components higher than the PU40.

PolySto Hard Fix Glue has a min. loss of weight and volume after vulcanisation. The internal tensions inside the joints are therefore limited to a minimum which ensure a longer life expectancy of the joint.

APPLICATION

PolySto Hard Fix Glue has a good adhesive strength without primer on most common materials in the building industry such as glass, aluminum, glazed tiles, polyester, ABS, polystyrene, steel, treated wood, natural stone... Highly suited for sealing on slightly humid surfaces without bubble forming.

PolySto Hard Fix Glue can also be used for alkaline surfaces such as concrete, brick and asbestos concrete. A primer is recommended on these surfaces.

JOINT DIMENSIONS

Joint width	Joint depth	Allowed difference
3-4 mm	4-5 mm	± 1 mm
6 mm	6 mm	± 1 mm
8 mm	6 mm	± 1 mm
10 mm	6-8 mm	± 2 mm
15 mm	10 mm	± 2 mm
20 mm	10-12 mm	± 2 mm
25 mm	15 mm	± 3 mm

APPLICATION TEMPERATURE

+ 5°C - + 40°C

PREPARATION

All surfaces should be clean, dry. If necessary, degrease with **PolySto Cleaner**, M.E.K., alcohol, ethanol or use primer. Preliminary adhesion tests must be carried out to determine the suitability of the product for its application.

CLEANING

before vulcanisation :

- a) tools : with white spirit or other solvent
- b) surfaces : with a solvent

after vulcanisation :

Remove as much as possible mechanically; the remainders of the product with **Silicone Remover**.

REPAIRING

With the same product.

RESTRICTIONS

Use in well ventilated rooms. Do not expose to thermal, mechanical or chemical influences before complete vulcanisation.

PolySto Hard Fix Glue is not suitable for joints exposed to constant water immersion.

PAINTABLE

PolySto Hard Fix Glue is perfectly paintable with most water based and alkyd paints, even wet-on-wet.

Alkyd paints may require an extended drying time, Preliminary paint tests are obligatory. We advise against the use of alkyd paints for internal paintwork.

SHELF LIFE

12 months in unopened packing at 23°C.

PACKING

25 cartridges of 290 ml/box - 48 boxes/pallet
20 bags of 600 ml/box – 36 boxes/pallet

METHOD OF USE

With a gun (manual or pneumatic). The shape of the joint is important. Avoid thin layers.

PRECAUTIONS

Avoid any contact with skin and eyes. If swallowed, consult a physician. Contains a mixture of amino silanes. May produce an allergic reaction
Keep away from children.
Consult our safety data sheet.

RESPONSIBILITY

This information is the result of our tests and is of a general nature. This data sheet does not imply any responsibility . It is the responsibility of the user to define by his own test whether this product is suitable for its application and to check the compatibility of a specific paint with the sealant.

PROPERTIES

Unvulcanised rubber

Type of sealant	Hybrid polymer
Vulcanising system	Vulcanising through moisture in the air
Skin forming time (23°C and 50% R.H.)	25 minutes
Vulcanisation rate (23°C and 50% R.V.)	2.5 à 3 mm/24 hours
Density (ISO 1183)	1,48 g/cm ³

Vulcanised rubber

Shore A hardness (ISO 868)	30-35
Loss of volume after vulcanisation	< 3,5%
Elastic recovery (ISO 7389)	> 70%
Max. deformation	25 %
Modulus at 100 % elongation (ISO 8339-40)	0.680 N/mm ²
Modulus at break (ISO 8339-40)	1.250 N/mm ² (12.5 kg per cm ²)
% elongation at break (ISO 8339-40)	350 %
Temperature resistance	-40°C - + 90°C

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