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Neotex® PU Joint

Description of the product

One component polyurethane elastomer, suitable for sealing joints and openings in any building surface. After application, in contact with air, the sealant is vulcanised to an elastic and cohesive mass. Certified with CE according to EN 15651-1 (Type F EXT-INT CC).

Physical Properties

- **Neotex® PU Joint** maintains its elasticity in a wide range of temperatures
- It shows very good adhesion to many substrates, e.g. concrete, glass, anodized aluminum, wood, etc.
- Easy application at temperatures from +5 °C to +40°C
- Very good resistance to aging (UV and moisture).
- High mechanical strength
- Service temperature: -20°C to +90°C
- Paintable

Technical characteristics

Colours	Grey/White
Skin forming time (23°C,50% RH)	120-240 min
Temperature of application	From +5°C up to +40°C
Service temperature	From -20°C up to +90°C
Curing speed (23°C,50% RH)	2-3 mm/day
Shore A Hardness (DIN 53 505)	30±5
Movement capability	25%
Tensile strength (ISO 8339)	0,82 N/mm ²
Modulus at 100% elongation (ISO 8339)	0,41 N/mm ²
Elastic recovery	>90%
Elongation at break (ISO 8339)	450 %
Consumption	Per 600ml sausage: 6m joint 10mm x 10mm Per 310ml cartridge: 3,1m joint 10mm x 10mm

Application Fields

It is recommended for the sealing and bonding between similar and dissimilar substrates in traditional masonry, civil and industrial applications, light and heavy prefabrications, interior decorating etc.

Adheres on most substrates: concrete, glass, wood, anodised aluminium,



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tiles etc.

Instruction for use

Joint preparation: The joint faces to be bonded must be clean, dry and free from dust, oil, grease, old sealant and any traces of contaminant, which may affect adhesion. Surfaces should be degreased with solvent using a clean cloth. To remove dust, use oil-free compressed air.

Priming: **Neotex® PU Joint** sealant does not normally require primer on most common substrates used in buildings. In cases of expansion joints with porous substrates (concrete), **Neotex® PU Primer** is recommended. The sealant is applied 15min to 1 hrs after the application of the primer.

Joint dimensions: The movement capability of sealant as well as local regulations must be considered. Joint width should be twice the depth when the width is bigger than 20mm and equal to the depth when the width is smaller than 20mm. The width of the joints should not be less than 5 and bigger than 40mm.

Sealant application:

- Cut the nozzle slantwise to form an opening proportional to the joint width.
- Put cartridge/sausage into the hand- or air gun and we apply the sealant in the joint.

For good performance it is essential that the sealant be only bonded to the two facing sides of the joint. To achieve this install a backup material (closed cell polyethylene or open cell polyurethane foam). Apply the sealant in a continuous operation making sure all air pockets or voids are eliminated. Tool the sealant with light pressure to spread the material against the joint surfaces.

This operation should be made with a dry spatula before skin formation occurs.

Excess uncured sealant should be wiped and cleaned with solvent **Neotex® 1111** cured sealant can only be removed by abrasion.

Notes

Low temperatures and high humidity during application prolong drying time, while high temperatures decrease it.

Packing

310ml cartridge

600ml sausage

Storage stability

The product is stable for 12 months when kept unopened in its original container, protected from humidity, at a maximum temperature of 30°C.

The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX® SA .It is offered as a service to designers and contractors in order to help them find potential solutions. However, as a supplier, NEOTEX® SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.

