

Neotex® PU Joint

**One-component polyurethane sealant
of high elasticity and adhesion**



Description

One-component polyurethane elastomeric sealant, with high adhesion on various construction surfaces

Fields of application

Sealing of horizontal or vertical joints and openings in various construction surfaces, e.g. concrete, gypsum boards, aluminium, glass, marble, ceramics, wood, etc. in a wide range of industrial, construction and marine applications

Properties - Advantages

- High elasticity and excellent adhesion on various substrates
- Broad range of service temperature
- Very good resistance to mechanical stress and chemicals
- Durability against ageing
- Ideal solution for vertical surfaces, without sagging
- May be overcoated by waterproofing coatings
- Easy to apply (one-component – cures with the ambient humidity)



Packing

600ml in sausage,
310ml in cartridge

Certificates – Test reports

CE certified acc. to EN 15651-1 as F-EXT-INT-CC-25LM

Technical characteristics

Hardness Shore A (DIN 53505)	25±5
Elongation at break (ISO 8339)	≥500%
Modulus at 100% elongation (ISO 8339)	≥0,3N/mm ²
Service temperature	-35°C min. / +90°C max.

Coverage per 600ml sausage: 6 lin. m. for joints 1x1cm

Coverage per 310ml cartridge: 3,1 lin. m. for joints 1x1cm

Application conditions

Substrate moisture content	<4%
Relative air humidity (RH)	<70%
Application temperature (ambient - substrate)	+5°C min. / +35°C max.

Curing details

Curing rate (+23°C, RH 50%)	2-3mm/day
Initial drying time - Skin formation (+23°C, RH 50%)	120-240 minutes
<i>* Low temperatures and low humidity during application and/or curing prolong the above times, while high temperatures and high humidity reduce them</i>	

Instructions for use

Substrate preparation

The substrate must be stable, clean, dry & protected from rising moisture, as well as free of dust, oil, grease, dirt and any loose or poorly adhering material. Loose friable material must be completely removed by appropriate mechanical or chemical means.

Priming

Prior to the application, in order to improve the adhesion of the material (especially on joint sides), it is recommended to apply the polyurethane primer **Neotex® PU Primer** or an alternative appropriate **NEOTEX®** primer, depending on the substrate.

Application

Once the primer is dry to overcoat, **Neotex® PU Joint** is applied by a special gun for sealants or/and a construction spatula - smooth trowel.

In case of application in joints, it is advisable to install a suitable backing rod, depending on the joint's depth, and it is recommended to place self-adhesive paper tape along the two sides of the joint and remove it immediately after sealing. The sealing width should not be less than 5mm, while it should not exceed 4cm. The sealing depth must be adjusted according to the width: a) equal to half the width, if the width is $\geq 2\text{cm}$, b) equal to the width, if the width is $< 2\text{cm}$. The application must be done without interruption and in a way that air entrapment is avoided.

In cases of wide joints, it is recommended that the application is done in three stages: firstly, by applying the mastic on each of the joint side walls and pressing towards them, then by applying the mastic in the middle of the joint.

Special notes

- **Neotex® PU Joint** should not be applied under wet conditions, or if wet conditions are expected to prevail during the application or the curing period of the product.
- In the case of horizontal joints sealed with **Neotex® PU Joint** and where there is a possibility of accumulation of ponding water, it is recommended that the joints are subsequently coated with suitable waterproofing coatings (e.g. **Neoproof® Polyurea**, **Neoproof® PU W**). It is recommended that the sealant is overcoated after at least 2-3 days have passed from the application - also depending on the application thickness, as well as the prevailing atmospheric conditions.
- Due to the material's sensitivity to direct exposure to sunlight, slight discoloration is to be expected in such case. Therefore, it is similarly recommended to overcoat it with UV-resistant coatings, as described above.
- The nozzle must be cut obliquely in such a way that the opening is proportional to the sealing width. Then, it is recommended to apply the sealant keeping the gun at an angle of 45° to the joint, and to smooth the surface with a construction spatula.

Appearance	Viscous paste
Colour	Grey, white
Packing	600ml in sausage, 310ml in cartridge
Cleaning of tools – Stains removal	By Neotex® 1111 immediately after the application. In case of hardened stains, by mechanical means only.
Κωδικός UFI	95H0-E011-G006-68A7
Storage stability	1 year, if kept in the original sealed packaging, protected from frost, humidity and exposure to solar radiation. Storage temperature: +5°C min. / +30°C max.

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 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.

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