

TECHNICAL PAMPHLET

PUR-Sealant

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Product 07005

one-component polyurethane sealant

PROPERTIES

PUR-Sealant is a liquid, solvent-containing, ready for use one-component polyurethane sealant with high solid content. It hardens in contact with humidity. When dried, it shows high abrasion-resistance, high impact resistance and high chemical resistance. On exposure to light, particularly direct sunlight, it is not resistant against yellowing. However, its chemical and mechanical properties are not affected thereby. The colour is slightly yellow to brown.

APPLICATIONS

PUR-Sealant is particularly suitable for sealing formwork panels or slabs to improve wear-resistance and durability. Furthermore, it is used for the surface preparation of solvent-resistant moulds and models when making moulds out of polyurethane or silicone elastomers.

PUR-Sealant is not applicable on non-absorbent surfaces, such as metal, plastic, ceramics, artificial stone or certain kind of natural stone.

TECHNICAL DATA

property	value	method
appearance:	transparent brownish liquid	
workable temperature:	+5 °C – +30 °C	
dust-dry after:	30 – 40 min	
tack-free after:	approx. 90 min	
earliest recoatability:	2 h	
latest recoatability:	24 h	
earliest mechanical loading:	6 h	
full chemical and mechanical loading after:	7 days	
density:	0,995 g/cm³	ISO 2811
solid content:	40 %	by weight
flash point:	approx. 30 °C	DIN 51755
heat resistance (dry heat):	+80 °C	
abrasion (Taber abrasion test):	10 mg	DIN 53754

These data are typical guide values. They are not destined for the generation of specifications.

SURFACE PREPARATION

The substrate must be absorbent, stable, sound, dry, clean and free of oil, grease or wax. Cement laitance has to be removed by grinding or by the use of acids. In case of doubt, we recommend the preparation of a representative test area.

PROCESSING

For priming, PUR Sealant can be diluted with PU-Thinner up to 50 %, depending on the surface's absorbency. On highly absorbent substrates, it is recommended to apply PUR Sealant un- or weakly diluted. Vice versa, it should be used in a higher dilution on less absorbent surfaces.

PUR Sealant should be applied in several thin layers by brush, paint roller or rubber blade. The application of thick layers or the formation of puddles causes rough surfaces, bubbles or craters.

CONSUMPTION

Approx. 100 –200 g/m² per application, depending on the type of structure.

CLEANING OF EQUIPMENT

The tools and the equipment can be cleaned with PU Thinner. Immersion in solvents is not sufficient.

PACKAGING SIZES

cans: 5 kg | tins: 1 kg.

STORAGE

Store in a dry, well ventilated place at room temperature. Keep the container tightly-closed; do not expose to direct sun irradiation. Keep away from any sources of ignition, do not smoke. PUR-Sealant is storable for 6 months from delivery when kept in the closed original packaging at about 18 °C. Opened drums must be closed airtight right after use. Partial amounts, once taken from the package, must not be returned into the container.

VOC COMPLIANCE STATEMENT

PUR-Sealant is not permitted for applications that are subject to Directive 2004/42/EU, as listed in annex 1.I.

GENERAL INFORMATION

For further information please also see:

„ General advice for the processing of two-component resins”.

SAFETY

PUR-Sealant contains solvents and isocyanates. Provide sufficient ventilation in the working place. Keep away from heat, sparks, open flames or any other ignition sources. Do not smoke! Avoid breathing gas or vapours. Do not use for sputtering or spraying. Protect skin and eyes from material splashes. Provide sufficient ventilation in the working place. Please consult the relevant safety data sheet and attend to the indications on the label of the package regarding the Dangerous Goods Regulation. This pamphlet is intended solely as an application directive. It does not claim to be binding and valid for all modes of application. A preliminary test under operation conditions is highly recommended.

This pamphlet replaces all previously published pamphlets concerning PUR-Sealant, stating them as no longer being valid.

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