

Purocol Express (D4)

Product description

Purocol Express (D4) is a transparent, ready to use, universal construction adhesive based on polyurethane.

Properties

- Professional quality
- Transparent
- Fast build-up of end strength
- Filling characteristics (foam formation), suitable for the bonding onto uneven surfaces
- Water resistant D4
- Solvent-free

Applications

- Interior applications which are exposed to high relative humidity
- Exterior applications which are exposed to direct weather influence
- Bonding of wooden construction elements
- Bonding of windows and door frames (also corner connections) which need to meet class D4 according to EN204
- Bonding of insulation materials (also polystyrene)



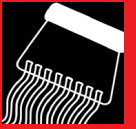
Technical data

Base	Polyurethane
Consistency	Paste
Curing system	Moisture curing
Density	ca. 1,15 g/ml
Open time	ca. 15 minutes
Shear strength	At least 10 MPa
Application temperature	5 °C - 35 °C
Temperature resistance	-30°C → +100°C
Durability class (EN 204)	D4
Pressing time	At least 1 hours
Solid content	100%

Footnote: evaporation time, open time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Substrates

- Substrate condition
Clean, free of dust and grease.
- Substrate preparation
The adhesive cures on exposure to moisture in the air or in the material and foams up thereby very light. A lightly moisten the surface (water spray) can accelerate the hardening process and increase the filling character.
- Substrate types
Purocol Express (D4) has a good adhesion to following substrates: all common materials, wood, concrete, stone. Purocol Express (D4) has no good adhesion or is not suitable for PE, PP, PTFE (Teflon®). We recommend a preliminary adhesion test on any substrate.



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Application method

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Apply the adhesive with a caulking gun onto one of the surfaces which need to be bonded. Bring the two parts together within a maximum of ca. 15 minutes and clamp for At least 1 hours. Clamping of the materials, during the curing, is necessary in order to achieve the final maximum possible strength.
- Cleaning method
Purocol Express (D4) can be cleaned before curing from tools and material with Soudal Adhesive Remover, Soudal Swipex Wipes or white spirit. Cured product can only be removed mechanically.
- Repair method
Repair with the same material.

Health- and Safety Recommendations

Dangerous. Respect the precautions for use.

Wear plastic gloves.

Avoid contact with skin or eyes.

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.

Packaging/Logistics

Packaging: Various sizes available. Please consult the product catalogue, the Soudal website or a Soudal representative.

Shelf life: 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C

Standards and certificates

- KOMO® certified certificate nr.33086

Environmental clauses

- Leed regulation: Purocol Express (D4) conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. It is general in nature and does not constitute any liability. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.