

Product

A ready-to-use, transparent, unfilled, wood and construction adhesive one component polyurethane based, D4 according EN 204.

Properties

- Ready to use, easily applied
- Suitable for damp wood
- Does not attack the support
- Solvent free (VOC = 0%)
- Open time : 30 min at +20°C
- Filling capacity trough foam control system
- Resistant to diluted acids and bases, most solvents, seawater
- High shear strength (min. 95kg/cm²)
- Heat resistant (up to +100°C)
- Recoverable with most types of paints and stains

Usage

Specific for all types of interior applications with frequent long-term exposure to running water and condensation and exterior applications with exposure to all weather influences, for the assembly of doors and window frames who needs to meet D4 classification according EN 204.

For all waterproof adhesions of two porous material or one porous and one non-porous material like wood, wood derivatives, brick, stone, marble, granite, concrete, aerated concrete, polystyrene and polyurethane insulation plates, glass wool, rock wool, synthetic plates, metal.

Restriction

For the adhesion of two non-porous materials, use Rectavit contact adhesives.

Not applicable on PE, PP, Teflon or bituminous surfaces.

Preparation

The surface must be clean and free of dust, rust, grease and oil. The surface may be damp; the water content of wood is max. 20%. For a better adhesion, it is recommended to roughen surface with sandpaper P80, metals must be free of rust and roughen to a St 3 level (according ISO 8501-1).

Rectavit Rectan is a moisture-curing adhesive (most form the material or the air), slight damp surface will improve curing rate and foam filling capacity.

It is recommended to carry out preliminary adhesion test.

Application

Rectavit Structan can be applied with a caulking gun, manual or pneumatic.

Cut open the cartridge at the top, place it in the caulking gun, screw the nozzle on the cartridge and cut the nozzle according to the width of the bead.

Apply Rectavit Structan on one of the surfaces that need to be bonded in dots or beads. The materials that need to be bond must be closed within 30 min after application, clamp the materials together so that they can't move. Pressing during curing will increase the end strength of the joint (min. pressure 0,5 kg/cm² with a min. time of 1½ h).

After the application, clean the nozzle with a dry rag.

Technical Properties: the product

Base	Polyurethane
Curing system	Moisture curing
Viscosity	Paste
Density	± 1,1 kg/dm ³
Colour	Transparent

Packaging	Cartridge, 310 ml
Storage	At least 12 months in unopened packaging in a cool and dry storage place between + 5°C and +25°C. After usage close the packaging with the original cap.

Technical Properties: the application

Tools	Caulking gun, manual or pneumatic
Dilution	Ready for use.
Consumption	220 – 360 ml/m ²
Open time*	Ca. 30 min
Pressure and pressing time	Min. 0,5 kg/cm ² during min. 90 min
Drying time: initial setting time*	Ca. 90 min
Drying time: complete curing time	24 h
Application temperature	Min. +5°C, max. +25°C
Cleaning	Rectavit Pur Cleaner for fresh adhesive; cured adhesive only mechanically, remains can be removed with Rectavit PUR Remover
Repair	Rectavit Structan

Technical Properties: the joint

Shear strength (EN 204)	> 9,5 N/mm ²
Recoverable	Yes
Moisture resistance	D4, according EN 204
Water resistance	D4, according EN 204
Temperature resistance	-30°C to +100°C Watt'91 certification
Heat resistance	Watt'91 certification
Chemical Resistance	Good: diluted acids and alkalis. Poor: oxidant acids, like nitric acid.
Classification	D4, according EN 204 Watt'91 certification KOMO n° 33086

* These values may differ according temperature, moist, support and environment.

Safety

Contains: difenylmethane-4-4'-diisocyanate, isomers and homologues.

Wear appropriated gloves and work clothes with long sleeves. Foresee sufficient ventilation.

Consult label and MSDS for more information.

Remark(s)

Rectavit Structan is recoverable with all types of paints but due to the large amount of paint qualities we recommend a preliminary test.

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