

VAEBOND® PU

PU Adhesive for VAEPLAN membranes

Description:

The VAEBOND PU adhesive is a solvent-free, moisture-curing one-component Polyurethane-based adhesive.

Application:

VAEBOND PU is used as an adhesive for applying VAEPLAN V and U/GV roofing membranes.

The substrate must be dry, solid, stable and free of ice, oil and grease.

The substrate can be concrete, wood, metal, thermal insulation suitable for gluing (on naked EPS only with VAEPLAN U/GV), existing roofs made from bitumen or polymer bitumen membranes.

Brush the substrate thoroughly clean and remove contaminants before applying.

Open time (at 20°C) 40 - 60 min *

At room temperature and at the required humidity, the adhesive joint strength is achieved in about 2 - 4 hours, final strength after 2 d at room temperature*.

Application temperature:	5 - 35°C
Operating temperature:	-40°C to 80°C
short-term exposure (up to 1h):	100°C

Concentrations of glue must be spread open

* Measured after adding of a measured amount of sprayed water

Packaging:

Drums of 5 kg

Technical characteristics:

Colour	dark brown
Odour	weak
Consistency	liquid
Density at 20°C	about 1,15 g/cm ³
Polyurethane content	100%
Viscosity	± 8.000 +/- 2.500 mPa.s Brookfield (20°C)

Storage:

VAEBOND PU has a shelf life of 9 months in unopened original containers. Store in a cool, dry place between 10°C to 20°C. Protect from freezing. Keep container away from direct sunlight.

Transport:

See MSDS

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 **DERBIT®**
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VAEPLAN®

Preliminary

Prior to application it is necessary to read the Safety Data Sheet for precautions and safety recommendations. Even for non-classified products precautions must be taken.

Preparation for bonding

The substrate must be free of oil, grease and heavy dirt. Metals must be treated with a suitable primer, especially with the influence of moisture on the bonding.

Processing

The adhesive is poured on the substrate in strips and spread open with a spatula or rubber. When the substrate and the climate is too dry, moisture must be added by sprinkling water on the applied adhesive.

The VAEPLAN V or U/GV membrane can then be rolled out or folded into the adhesive.

With a soft brush, waves can be pushed out of the membrane, from the centre to the extremes.

For VAEBOND PU cures by reaction with atmospheric moisture, open containers must be resealed immediately after application. For this reason it is also advisable to use opened containers as soon as possible.

Cleaning

Fresh, uncured glue on processing equipment and substrate can be removed with cleaner; cured adhesive can be removed mechanically only.