

CLEVERSEAL PU 2K POURABLE

TWO COMPONENT, POLYURETHANE BASED, FILLING SEALANT FOR WIDE JOINTS

DESCRIPTION:

CLEVERSEAL PU 2K POURABLE, two-component, polyurethane based, high performance joint filling sealant designed for filling and insulation of wide horizontal joints.

TYPICAL APPLICATIONS:

- ✓ Wide, horizontal dilatation joints,
- ✓ Joints of water tanks and swimming pools,
- ✓ Irrigation channels joints,
- ✓ Roof and terrace dilatations,
- ✓ Airport runway joints.

FEATURES AND ADVENTAGES:

- ✓ Easy to apply
- ✓ polyurethane based
- ✓ Suitable for applications made by pouring in wide joints
- ✓ Permanently flexible
- ✓ Resistant to oils and many chemicals.

APPLICATION PROCEDURE:

SURFACE PREPARATION:

The joint should be cleaned before application. Make sure that the joint is dry. The factors such as oil, grease, fuel, paraffin and silicone that will prevent or weaken the joint must be completely removed. If the bottom of the joint is open, a polyethylene filler cord should be used and the application area should be created by leaving a depth equal to half the width of the joint (width 2 / depth 1).

PRIMING:

It should be used by selecting a suitable primer according to the condition of the surface and climatic conditions. It is recommended to use PU PRIMER 200 as a primer on porous surfaces, PU PRIMER 300 2K or EPOXY PRIMER WB for moist surfaces.

APPLICATION:

The ratio of width to depth in the application area should be 2/1. Components A and B are combined and mixed in a low-speed mixer to make it ready for use. The usage time of the prepared mixture is between 20 and 30-35 minutes at + 20°C. Usage time may be shortened or increased depending on the change in air temperature. Backing rod is applied by preventing air from passing into the joint. It is necessary to apply more than one layer to the

paste to have full contact with the edges and floors in large joints. It is necessary to level the material immediately after the application.

APPLICATION REMARKS:

- ✓ Not recommended for unstable surfaces.

CONSUMPTION:

DEPTH	WIDTH		
	2 cm	4 cm	8 cm
1 cm	0,28 Kg/m	0,56 Kg/m	1,12 Kg/m
2 cm	0,56 Kg/m	1,12 Kg/m	2,24Kg/m

The information in the sample consumption table is theoretical. The consumption may vary depending on the way the polyethylene roving is placed and the width of the joint.

CLEANING:

After the application, all tools used should be cleaned with a Clever 001. The rolls are for single use only. They are only for single use.

PACKAGING AND COLOR:

8 Kg. + 4 Kg. in metal bucket, color gray.

STORAGE AND SHELF LIFE:

The product can be stored for a maximum of 12 months in its unopened original package at temperatures between +5°C and +25°C. Opened product should be used as soon as possible.

PRECAUTIONS:

The product should be used in well ventilated environments. The product should not be in contact with open fire. Smoking should not be allowed during application. Protective gloves and masks should be used for hands and eyes during application. If the material comes into contact with eyes, it should be washed immediately with sufficient water. Adequate ventilation is required during application. For more detailed information, ask for Safety Data Sheet (MSDS) from CLEVER POLYMERS technical department.

TECHNICAL DATA:

QUALIFICATION	METHOD	FEATURE
Coating Type	Clever Lab.	Two-component Polyurethane
Density	ASTM D 1475 / EN ISO 2811-1 (+20C)	1,40 (±0,05) gr/cm ³
Application Temperature	Clever Lab.	+5 °C to +30 °C
Thinning	-	Not recommended
Solid Content	Clever Lab.	100%
Hardness	ASTM D2240, DIN 53505, EN ISO R868	30 (±5) (Shore A)
Elongation at Break	ASTM D 412 (+23 °C)	> 500%
Pot Life	Clever Lab. (+25 °C)	20 - 35 minutes
Joint Movement Capability	Clever Lab.	25%
Adhesion to Concrete	TSE EN 1542 (+23 °C)	> 1,5 N / mm ²
QUV	ASTM G154	1000 Hours
Tack Free Time	25 °C / 55% RH	5 hours

* Viscosity measured at +25 °C according to EN ISO 3219 standards. Viscosity increases inversely with temperature.

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