CLEVERSEAL PU35

ONE COMPONENT, HIGH MODULUS, JOINT FILLER POLYURETHANE SEALANT

DESCRIPTION:

CLEVERSEAL PU35 is a one component, high modulus, moisture curing polyurethane joint sealant.

TYPICAL APPLICATIONS:

- ✓ As joint filler
- ✓ Dilatation of joints
- ✓ In water tanks and swimming pools
- ✓ At joints of irrigation channels
- ✓ Roof and terrace dilatations
- ✓ In horizontal and vertical dilatation joints

FEATURES AND ADVENTAGES:

- ✓ Bonds perfectly to all kinds of surfaces with or without primer
- ✓ It is easily applied and its surface can be smoothed.
- ✓ It has excellent chemical resistance
- ✓ It is suitable for the insulation of joint systems in water tanks and swimming pools treated with chemicals
- ✓ Can be painted.
- ✓ Thixotropic
- ✓ Waterproof after drying
- ✓ Has 25% movement capacity
- ✓ No air bubbles occur during curing

APPLICATION PROCEDURE:

SURFACE PREPARATION:

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

PRIMING:

It should be used by choosing a suitable primer in accordance with the condition of the surface and climatic conditions. It is recommended to use PU Primer 200 as primer on porous surfaces, PU PRIMER 300-2K or Epoxy Primer WB for damp surfaces.

APPLICATION:

Backing rod is placed in the joint in a way that prevents air from passing through. The package of sealant is cut from the far end and placed in the application gun. The injector head is cut and placed in the gun so that the appropriate and correct amount of flow is obtained. Mastic is applied in a way that does not allow air to pass into the joint. It is necessary to apply more than one application with a gun in order for the paste to be in contact with the edges and bases in wide joints. It is necessary to level the material immediately after the application.

APPLICATION REMARKS:

- ✓ Not recommended for unstable surfaces.
- ✓ It is not used for waterproofing of swimming pools with chemically treated water.

CONSUMPTION:

Joint Width	Joint Depth	Joint Length (600ml Sausage / m)
10 mm	5 mm	6
20 mm	10 mm	3
30 mm	15 mm	1,3

The information in the sample consumption table is theoretical. The consumption may vary depending on the joint.

CLEANING:

After the application, all used tools should be cleaned with Clever 001.

PACKAGING AND COLOR:

The product is white and gray in 600ml aluminum sausage packaging.

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 contacted with naked fire. Smoking should not be allowed during application. Protective gloves and masks should be used for hands and eyes during application. In case of contact of the material with eyes, wash immediately with plenty of 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.	One component Polyurethane Sealant
Form	Clever Lab.	Thixotropic Paste
Density	ASTM D 1475 / EN ISO 2811-1 (+20C)	1,30 (±0,05) gr/cm^3
Curing Rate	Clever Lab.	2mm / Day
100% Stretch Modulus	ASTM D-412	0,35 - 0,40 N / mm^2
Joint Movement Capability	Clever Lab.	25%
Elastic Recovery	Clever Lab.	> 60
Hardness	ASTM D2240, DIN 53505, EN ISO R868	Shore A 35 (± 5)
Elongation at Break	ASTM D 412 (+23°C)	> 500%
Adhesion to Concrete	TSE EN 1542 (+23°C)	> 1,5 N / mm^2
Tack Free Time	25°C / 55% RH	60 to 90 Minutes
Full Curing **Time**	Clever Lab.	2mm / 24 Hours

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