

DESCRIPTION

CLEVERSEAL PU 25; is an one component moisture cured polyurethane joint sealant.

FEATURES

- Excellent adhesion to any type of surface with primer or without primer.
- Easy to apply, recoverable.
- Resistant to chemicals.
- It is suitable for waterproofing of water tanks and swimming pools joints exposed to chemicals.
- Can be overcoated.
- High sagging resistant due to its thixotropy.
- Fully waterproof after it is cured.
- Permanent waterproofing after dry and curing.

TYPICAL APPLICATIONS

- Joint sealant uses,
- Concrete panels joints,
- Precast panels,
- Both in vertical and horizontal joints,
- Water tanks and swimming pools,
- Concrete, steel or any other substrates,
- Irrigation channels,
- Roof and terraces joints

SURFACE PREPARATION

Joints should be thoroughly cleaned, and surface should free from oil, grease, fuel, paraffin, silicone and other residues. Generally priming is not required. Apply onto sound/firm substrate. Porous concrete surfaces, or heavily cracked application areas, should be sealed thoroughly to prevent air bubbles. If substrate is not sound/firm apply CLEVER PU PRIMER 200 or CLEVER EPOXY PRIMER to strengthen the surface. Use CLEVER PU PRIMER 300 or CLEVER EP PRIMER N for damp concretes.

APPLICATION

CLEVERSEAL PU 25; Place the backer rod into the joints carefully at an appropriate depth. Place the sealant into the gun, and cut the nozzle from the farthest end to deliver the right bead size. Apply CLEVERSEAL PU 25 into the joint ensuring that no air is trapped in the joint. Wide joints may require more than one application with the gun in order to ensure that the sealant is in full contact with the sides and bottom of the joint. Smoothen the sealant immediately after the application. Apply the sealant at a minimum depth of 10 mm, and ratio of width to depth is 2:1.

Package: 600 cc Sausage

CONSUMPTION

DEPTH	WIDTH			
	10 mm	15 mm	20 mm	25 mm
10 mm	6 mt	4 mt	3 mt	2,4 mt

Please notice that these are theoretical consumptions. The rates may change depends on the shape and the width of the joints.

PRECAUTION

Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Hands and eyes must be protected with gloves and protective glasses. Case of eye contact, rinse eyes with plenty of water for the material and consult a doctor immediately. Keep in mind that solvents are heavier than air so they creep on the floor. The MSDS (Material Safety Data Sheet) is available on request.

NOTE

This is not a specification and all information is given in good faith. Since conditions of use are beyond the manufacturer's control, information contained herein is without warranty, implied or otherwise, and final determination of the suitability of any information or material for the use contemplated, the manner of use and whether there is any infringement of patents is the sole responsibility of the user. Manufacturer does not assume any liability in connection with the use of the product relative to coverage, performance or injury. For application in special conditions, consult Clever Polymers for detailed recommendations. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid.

SPECIFICATION DATA

Coating type	1K Polyurethane Sealant
Color	White, Grey
Density (20°C)	1,15 gr/cm ³ . ±0.03
Packaging	600 cc
Service Temperature	-30 °C to + 80 °C
Cure Rate (mm/day)	2 mm
Application Temperature	+5 °C to +35 °C
Modulus 100% (ISO 8339)	0,3 MPa
Shelf Life	12 Months
Tear Strength (DN 53515)	6,5 N/mm
Hardness ASTM D2240, DIN 53505, ISO R 868	± 25 (Shore A)
Elongation Percentage (23°C)(ASTM D 412)	≥ % 600
Adherence on Concrete (23°C)(ASTM D 903)	≥ 2 N/mm ²
Method of application	Application gun
Drying Time Potlife and drying time depends on temperature and quantities mixed	23 °C , %55 RH Touch Dry: 60-90 minutes Dry Time: 2mm / 24 Hrs

