

PUREN ONE - ONE

Flexible Two-Component Polyurethane Polymer

PRODUCT DESCRIPTION

PUREN ONE - ONE Slow-reacting, low-viscosity and is a highly adaptable two-component polyurethane resin.

APPLICATIONS

In buildings and other civil engineering structures made of concrete, brick, or natural stone, it facilitates grouting, sealing, and the elastic connection of cracks and cavities. An injection hose system integrated into concrete structures is employed.

COMPOSITION AND PROPERTIES

- PUREN ONE - ONE, Component A: a range of polyols and additives is a combination of substances.
- PUREN ONE - ONE, Component B: 4,4'-Diphenylmethane It is a modified polyisocyanate derived from diisocyanate (MDI).

APPLICATION

- The two components are simultaneously pumped using a double-piston pump at a 1:1 volumetric ratio.
- The components are combined utilizing a packer and static mixer positioned in the pre-drilled injection hole and subsequently injected into the target area.
- Given the extremely slow reaction time, the components may be blended in an appropriate, clean, and dry container and injected with a single-piston pump or poured directly into the joints from the barrel.
- Suitable for ambient temperatures ranging from 5°C to 35°C.

RECOMMENDATION

Prior to processing, it is advisable to store the product for a minimum of 12 hours at a temperature no lower than 15 °C, ensuring that the optimal processing temperature falls between 15 °C and 25 °C.

AMBALAJ

PUREN ONE - ONE, Component A: Tin Metal 20 kg
PUREN ONE - ONE, Component B: Tin Metal 22 kg
 Alternative packaging options are available upon request.

TECHNICAL SPECIFICATIONS

Temperature 360 ± 45, 240 ± 30 Mixed viscosity at 25 °C			
minutes in mPa·s		220 ± 20	
1000 mPa·s viscosity 40-80 dk. 30-70 dk. 30-60 dk.			
1 mm crack Gelation duration in hours			
14 ± 2 I		3.5 ± 1,5	10 ± 1
Foaming rate		1	1
Material Data:	Component A	Component B	Norm
Density at 25 °C kg/m³ 995 ± 40		100 ± 30 DIN 12791	
Viscosity at 25 °C: 340 ± 50 mPa*s		15 ± 3	ISO 3219
Viscosity at 15 °C mPa*s 630 ± 50		20 ± 5	ISO 3219
		DIN 53 213	
Flash Point (°C)		200	200
Colour		Honey Hue	Brown
Mechanical Data:			Norm
Tensile Strength [MPa]		0.5 ± 0.13	DIN EN 1504-5
Elongation at Fracture		180 ± 35	EN ISO 527-1
[%] E-Modulus [MPa]		0.2 ± 0.05	EN ISO 527-1

STORAGE EXPIRATION PERIOD

- The product has a shelf life of 12 months from the date of production and a minimum of 6 months from the date of delivery.
- The product must be stored in a dry environment at temperatures ranging from 15°C to 25°C.
- Improper storage will reduce the shelf life. Opened packages should be utilized promptly.

LEVEL

- Minor quantities of cured product residue may be discarded as standard household waste. The disposal of uncured product components must adhere to local regulations.
- Empty cans should be emptied of liquids by puncturing a hole in the edge of the lid and inverting them until no further liquid escapes.

DISCLAIMER

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