Nivapol Polem A JS

Type
2-Component polyurethane joint-sealant system.

Product description
Polem A JS is a solvent free high viscos two-component Polyurethane system.

Fields of application
Polem A JS is designed to be used as a solid, elastic joint sealant and pore filler material for concrete elements, especially suited for aqueous environments like drainage and sewage joints.

Typical areas of installation
- Wastewater pipes
- Flooding reservoirs
- Flooding channels
- Fish tanks
- Features and benefits
- Soft and elastic
- Low water uptake
- Fast curing
- Crack bridging
- Good adhesion to concrete
- Easy processability

Substrate preparation
All substrate must be structurally sound, clean and dry and free from oil, grease and loose material and other contamination which might impair adhesion. The tensile cohesion of the substrate should exceed 1,5 MPa. Polem A JS should be applied when substrate temperatures are constant or falling. The curing reactions are influenced by the ambient, material and substrate temperatures. Low temperatures lengthen the pot life, open- and curing times. High temperatures shorten pot life, open- and curing times. The temperatures should not fall below the minimum stated until the material is fully cured.

Delivery form
Part A: 20,75 kg high viscos Paste

Part B: 2,5 kg brown polymeric MDI based liquid.

Application
The B-component is poured into the container with the A-component. Directly after pouring the two components together, they are mixed for several minutes until homogeneous with a suitable stirring devise. The reactive paste is then poured into the cavity.

Storage
The components should be stored between +5°C and 30°C. The components should be acclimatized prior to use.

Important note
Nivapol is warranting the properties of the product and that is upholds the properties as stated in this datasheet. The properties are however measured under laboratory conditions and these conditions can be different to those found at a construction site.

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Technical data

Property	Value
Mixing ratio A:B	By weight 8,3:1
Mixed density at 20°C	1,30 kg/l
Viscosity at 20°C	100.000 cP
Working time at 20°C	20 minutes
Potlife at 20°C	60 minutes
Fully cured at 20°C	3 days
Substrate temperature	Min. 5°C max 40°C
Max Relative Humidity at 20°C	85%

Technical data cured material

Data	Method	Result
Shore A Hardness	DIN 53 505	24
Tensile strength	DIN 53 504	1.0 N/mm^2
Elongation at break	DIN 53 504	100%
Crack bridging ability		Complies
Water Penetration		Impervious
Water absorption		1,2 weight%
Chemical resistance		See separate data
Adhesion to Concrete	BS/EN 24614	Complies

The above figures are intended as a guide only and should not be used as a basis for specifications