Catalog Number: Component A - D91240, Component B - D91241

POLY FAST 1100

Pure, Hot-applied, flexible polyurea, approved by the Standards Institution of Israel for contact with drinking water at temperatures up to 40°C.

Product description

The polyurea coating is aromatic with 100% solids having exceptional stiffness. It can be applied at a thickness of 0.75mm - 5mm and has excellent resistance to abrasion, oils, chemicals, diluted acids and concentrated alkaline solutions, drinking water and seawater. It has quick healing and provides an anticorrosive protection against a wide range of chemicals. Designed for immersed use or corrosive atmosphere as rigid but flexible coating, resistant to impact and sealing. System's life expectancy: more than 25 years.

Product Uses

- Approval for contact with drinking water at temperatures up to 40°C.
- Water and waste water tanks
- Rails and tunnels
- Buildings, roofs, floors, panels
- Fuel storage tanks
- Desalination plants
- Cold storage areas
- Pipes/pipelines
- Swimming pools & aquariums
- Cooling towers
- Water reservoirs
- Bridges including marine
- Military uses - shielding

Packaging

Component A: Drum 225Kg
Component B: Drum 215Kg



Advantages

- Quick set time
- Application on any substrate
- Abrasion Resistance
- Excellent Corrosion Resistance
- Superior skid Resistance
- High tensile
- Chemical, Environment or Atmospheric Resistance
- Approval for contact with drinking water at temperatures up to 40°C.

POLY FAST 1100

Technical Data

- Gloss: Semi-gloss
- Solids content (by weight): 99±1%
- VOC: Zero
- Recommended layer thickness: 0.75mm - 5 mm
- Theoretical coverage: 1.3kg/1m2/1mm
- Mix Ratio (by weight): "A"= 1 "B"= 1
- Surface temperature:
- must be at least 3°C above dew point
- Relative humidity: 80%
- Cleaning Tools: Solvent 140

- Drying time (1000 microns thickness):

Substrate temperature	Pot life
To touch	24 sec
To recoat	50sec-16 hours
Final	24 hours

- Shelf life: 12 months (at 20-25˚C)
- If maximum drying time between layers is achieved, last layer to be polished before making a new one.

Property	Test method	Results
Natural	Visual	Natural Clear
Flex Modulus	ASTM D790	175-k psi
Tensile Strength	ASTM D412	4200 psi
Elongation	ASTM D412	320%
(Water absorption (24hr	ASTM D570	0.25%
Moisture Vapor Transmission	ASTM E96	0.24 perms
Hardness	ASTM D785	55 D
Abrasion Taber CS17	ASTM D4060	<30 mg/1000 cycles
Tear Strength	ASTM D624	520 lbs/lin. In
Gel Time	-	5-15 sec
Mix Ratio	-	1:1

* These figures are given as a guide only. Factors such as air movement, humidity, work equipment, must be considered.

Surface preparation

Please refer to the appendix on the topic of "Surface Preparation."

For Safety detailed instructions please refer to Pazkar's safety sheets (MSDS)

Warranty
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