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POLYTOP 200

Aromatic polyurea for multi protection coating and waterproof

Description

- POLYTOP 200 is two component, zero VOC's (Volatile Organic Compound), 100% solid. POLYTOP 200 may be applied directly to most substrates, and where adhesion is critical a primer may be used.

Use

- For waterproof coating on concrete and wood structures.
(Airport, apartment, watertank, all most concrete structures)
- For chemical resistance area.
- For oil resistance (oilproof) area.
- For multi purpose protection coating .

Features

- Zero VOC's (100% solid).
- Short initial curing time (30sec).
- High tensile strength and elongation.
- Cures at -25°F to 300°F .
- Excellent resistance to Thermal Shock.
- Excellent resistance to solvent .
- Excellent resistance to oil and acid(chemical).
- Excellent bond strength to properly prepared surfaces.

Technical data

(Wet properties)

Appearance	liquid
Specific gravity (25°C)	"A" 1.12±0.1 "B" 1.02±0.1
Viscosity(cps)	"A" 800±100 "B" 500±100
Thermal stability	0°C to 50°C
Shelf life(10-40°C) (Unopened containers)	6months

(Processing properties)

Gel time	10sec
Tack free time	20-30sec
Recoat	0-12hr

(Dry properties)

Tensile strength ASTM D 412	2500±200 psi
Elongation	350±50%
Hardness (Shore)	90-95 (A) 45-50 (D)
Tear strength	75±5 N/mm
Abrasion resistance (1kg, 1000rev)	58mg(CS-17)
Impact resistance (Thickness 1mm)	Above 1.5kg.m

(Chemical resistance)

10%-Sulfuric acid	Not change
30%-Sodiumchloride	Not change
30%- Sodiumhydroxide	Not change
50%- Sodiumhydroxide	Not change
Diesel	Not change
Salt water resistance	Not change



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Application

- Mix ratio 1:1 , It must use spraying equipment for polyurea. And keep the pressure minimum 2000psi with heating to 65-70°C.(Pre heater temperature should be approx at 70-75°C and hose temperature should be at 65-75°C). These include GRACO , SPI company product . And Gun models include GRACO ,SPI company product for polyurea spraying.
- Component "B" must be mixed each day ,while to spray.
- Thinning is not required.
- You check the "SSPC" before start spraying.

Caution

- Store in warm place preventing from freezing. Contents should not be exposed for a long time .
- In case of contact with skin and eyes ,flush immediately with plenty of water and seek medical advice.
- For further information , see the Material Safety Data Sheet.

Packing

- POLYTOP 200 "A" is available in 200L steel drums and "B" is in 200L steel drums.



Floor in chemical factory



Swimming pool



Dam wall



A fish pond



Roof repair



Water sliding park

More additional information or technical questions . Please contact our company

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