



POLYTOP 300

Aromatic elastic polyurea for steel protection spray coating.

Description

-POLYTOP 300 is two component, zero VOC's (Volatile Organic Compound) , 100% solid. POLYTOP 300 is increased adhesion strength more than POLYTOP-200. POLYTOP-300 is useful for steel protection coating. POLYTOP-300 may be applied directly to most substrates, and where adhesion is critical a primer may be used.

Use

- For steel structures protection coating.
- 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 adhesion strength and tensile strength and high 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" 1.15±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	30-40sec
Recoat	0-12

(Dry properties)

Tensile strength ASTM D 412	2600±200 psi
Elongation	350±50%
Hardness (Shore)	90-100 (A) 45-50 (D)
Tear strength	75±5 N/mm
Abrasion resistance (1kg ,1000rev)	50mg(CS-17)
Impact resistance (Thickness 1mm)	Above1.8kg.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



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 300 "A" is available in 200l steel drums and "B" is in 200l steel drums.



Steel roof coating



Steel pipe outside coating



Steel structures coating



Steel cover coating



Dumbbell 2008 9 7



Bridge post coating

More additional information or technical questions . Please contact our company

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