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POLYTOP 500

Aromatic polyurea for steel spraying coating.

Description

POLYTOP 500 is two component, zero VOC's (Volatile Organic Compound), 100% solid. POLYTOP 500 passed NSF 61 standard. So environmentally-friendly coating material for water pipe coating. It has highly abrasion resistance and bond strength on steel.

Use

- For water pipe coating.(steel and concrete).
- For rehabilitation pipe coating(steel and concrete).
- For water tank.(steel and concrete).
- For steel structures.
- For improved high abrasion resistance ability.(Dam spillway)

Features

- Zero VOC's (100% solid).
- Satisfied NSF /ANSI 61.
- Short initial curing time (3 min).
- High tensile strength.
- Cures at -25°F to 300°F.
- Excellent abrasion resistance.
- 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" 400±100 "B" 800±100
Thermal stability	0°C to 50°C
Shelf life(10-40°C) (Unopened containers)	6months

(Processing properties)

Gel time	10sec
Tack free time	180-240sec
Recoat	0-12hr

(Dry properties)

Tensile strength ASTM D 412	3400±200 psi
Elongation	150±50%
Hardness (Shore)	Above65 (D)
Adhesion strength (Steel-SSPC SP10)	Above 2000psi
Abrasion resistance (1kg, 1000rev)	20mg(CS-17)
Impact resistance (Thickness 1mm)	Above2.0kg.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

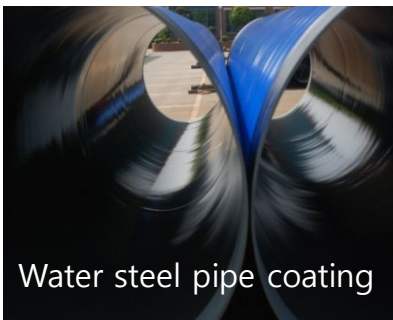
- Mix ratio 1:1 , It must use spraying equipment for polyurea. And keep the pressure minimum 2000psi with heating to 65-70°C.(Pre heater temperature should be approx at 70-75°C and hose temperature should be at 65-75°C). .These include GRACO , SPI company product . And Gun models include GRACO ,SPI company product for polyurea spraying.
- Component "B" must be mixed each day ,while to spray.
- Thinning is not required.
- You check the "sspc sp10" 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 500 "A" is available in 200L steel drums and "B" is in 200L steel drums.



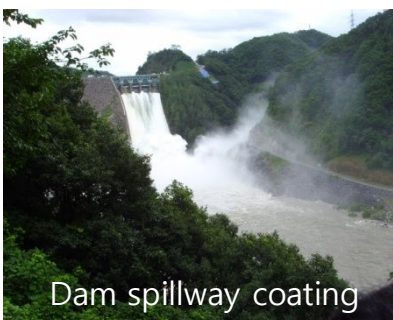
Water steel pipe coating



Rehabilitation pipe coating



Water tank coating



Dam spillway coating



Steel silo coating



Tower parking lot coating

More additional information or technical questions . Please contact our company

ATEK FINE CHEMICAL CO., LTD

Head office & Factory :, 362-10 Byongmyeong-dong Heungdeck-gu Chongju-si Chungcheongbuk-do Korea

☎ (82-43)-266-1985(Rep) (Fax) (82-43)-266-1987

Factory(2) :☎ (82-43)-532-1985 (Fax) (82-43)-532-1987

R&D Center:☎ (82-43)-266-1986 (Fax) (82-43)-266-1983