



POLYTOP 200HB

Aromatic polyurea for multi protection coating and waterproof

Description

POLYTOP 200HB is two liquids high temperature and pressure spray coating paints with its main ingredients combined of Urethane and of urea. Its reaction is very fast with its high speed hardening, and its cut is formed in a few seconds, which is hard modified polyurea with high property of matter such as impact, wear-resistance, tensile strength, coefficient of expansion, water-proofing, low-temperature resistance, chemical resistivity, adhesion.

Use

- For water-proofing and protection coating of concrete structure.(exposure, nonexposure, flooded area)
- Floor coating such as of industrial facility, plant, parking lot, general warehouse.
- Water-proofing coating of all kinds of wastewater treatment plant and water-tank flooded area.
- Repair and reinforcement water-proofing coating of concrete building or structure.

Features

- It is high speed hard modified polyurea product.
- High tensile strength and Extension rate.
- Excellent water-proofing and anti-corrosion.
- Solves the sheet connection defect.
- It is environmental and healthily safe.
- It is applied in various basal planes.
- It is built even in winter.
- Spray equipment at the rate of 1:1.
- You can order the color from the basic color.

Technical data

(Wet properties)

Appearance	liquid
Specific gravity (25℃)	"A" 1.11±0.1 "B" 1.05±0.1
Viscosity(cps/33℃)	"A" 600~1000 "B" 600~1000
Thermal stability	0℃ to 50℃
Shelf life(10~40℃) (Unopened containers)	6months

(Processing properties)

Gel time	0~5 sec
Tack free time	0~10sec
Recoat	0~10hr

(Dry properties)

Tensile strength ASTM D 412	2300±200 psi
Elongation	400±50%
Hardness (Shore)	90±5(A) 45±5(D)
Tear strength	65±5 N/mm
Abrasion resistance (1kg ,1000rev)	58mg(CS-17)
Impact resistance (Thickness 1mm)	Above1.5kg.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



Application

- Mix ratio 1:1 , It must use spraying equipment for polyurea. And keep the pressure minimum 2000psi with heating to 65-75°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 200HB "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

ATEK FINE CHEMICAL CO., LTD

Head office & Factory :, 362-10 Byongmyeoung-dong Heungdeok-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