

Phenolic epoxy coating

SUPERPOXY 320



Superpoxy320, has excellent resistance to continuous and alternating service for a wide range at chemicals, solvents, caustic, crude and fuel oils, animal and vegetable oils and fats, neutral, alkaline and non-oxidizing salt solutions in water.

Use

Tank lining for shop tanks, road tankers, barges, railroad cars and storage tanks in the chemical and petrochemical industries

Application Method

<p>Method of use</p>	<ol style="list-style-type: none"> 1. Surface preparation <ol style="list-style-type: none"> 1) Immersion : Blast all surface in accordance with SSPC-SP5 ("White Metal", SIS Sa 3) 2) Concrete : As a fully cured state and prepare in accordance with blast cleaning or pickling 2. Environmental Conditions <ul style="list-style-type: none"> ● Over 5°C is ideal for painting and hardening. ● The surface temperature must be at least 3°C above the dew point to prevent moisture condensation. ● Relative humidity : up to 85% 3. Application Equipment <ul style="list-style-type: none"> ● Conventional or airless spray, power mixer, brush ● Airless spray: Tip size-0.019~0.021inch Output pressure-2200psi/150atm (*Airless spray data are indicative and subject to adjustment) ● Recommended thinning ratio : about 10%(Airless spray)
<p>Safety Precautions for application</p>	<ol style="list-style-type: none"> 1) Mix the material according to designed mixing ratio and use after stirring it until uniformly blended. And, Use the mixed paint within pot life. 2) When used in rainy day, high humidity(Over 85%) day, low temperature(Under 10°C) condition, avoid the painting. 3) Even if you use same product(color, lot), the painting equipment and method(thinning ratio) can cause different color. So, you should check the color before using it. 4) When apply this paint to immersion region of concrete managing waterproofing, it is possible to occur peeling. So, coating work has to be proceeded after checking the adhesion with our products. 5) Don't use this product as a floor coating. 6) When immersed before curing time for immersion service, it can make coating problems (chalking, discoloration, blistering, etc.) 7) When applied to exposed areas of outdoor, recoating time shall be within 3 days. If recoating time is passed, surface preparation by sand paper is needed to all surface and do the next coating. 8) In confined space, high humidity can make the peeling. So, ventilation is required during application and drying. 9) When apply over solvent type epoxy primer in confined space, ventilation must be required.
<p>Safety Precautions for handling</p>	<ol style="list-style-type: none"> 1) Store it indoor (5~35°C) condition, avoiding heat and open flame. And, keep it standing and being closed. 2) When you dispose of it, follow the rules. 3) Use if in shelf life. Even if the shelf life passes by, it can be used after checking to our customer center. Because the paint can go deterioration and make settling.
<p>Warning notice</p>	<p>Please consult our enclosed here with warning</p>

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Typical Systems	Preceding primer(For concrete) : SUPERCRETE 820, etc. (For steel, if necessary) : SUPERPOXY 130. Standard coating system : Superpoxy320, 100 μ m \times 3coats Total D.F.T 300 μ m * Concrete coating system : Preceding primer : Supercrete 820, 50 μ m Superpoxy320, 125 μ m \times 2coats Total D.F.T 300 μ m
About law	

Physical Data

Finish	Semi-gloss	Color	Grey and Light color (limit colors)
Applied over	Blasted steel, primed concrete	Components	2
Solids by volume	About 70%	Recommended D.F.T	250~300 μ m
Coats	2~3	Mixing ratio(vol)	4:1
Theoretical Coverage	2.33m ² /L (@ D.F.T. 300 μ m) * Allow for application losses and surface irregularities.	Pot life(20°C)	1hr
Drying time(20°C)	Dry through: 36hrs	To topcoat(20°C)	16hrs ~ 7days
Thinner	Thinner 395	Curing time for Immersion service	9days (at 20°C)
Shelf life	12months (when stored indoor at 5 ~ 35°C)		

* Presented the technical data are changeable according to quality improvements or working conditions because they were acquired from the results of the laboratory tests and the scene of application.