

Non-solvent epoxy coating

SUPERPOXY 5000NS



SUPERPOXY 5000NS used for drinking water tank interiors, is invented non solvent epoxy coating that has an excellent adhesion and durability. And it can make high dry film thickness without thinning. Also, this product suitable for KS F 4921 and KC(Korea Certification).

Use

- 1) Used for interior of drinking water tanks such as apartments and water-supply wagons.
- 2) Used for interior of steel water pipe.

Application Method

Method of use	<ol style="list-style-type: none">1. Surface preparation<ol style="list-style-type: none">1) Steel(Immersion) : Blast all surface in accordance with SSPC-SP10("Near White", SIS Sa 2 1/2).2) Concrete : As a fully cured state and prepare in accordance with blast cleaning or pricking2. Environmental Conditions<p>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%</p><p>In confined space, high humidity can make the peeling. So, ventilation is required during application and drying.</p>3. Application Equipment<p>Conventional or airless spray, power mixer, brush or roller Airless spray: Tip size-0.025~0.029inch Output pressure-2200psi/150atm (*Airless spray data are indicative and subject to adjustment) Recommended thinning ratio: Not recommended (If necessary below 5%)</p>
Safety Precautions for application	<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 5°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) When apply this paint to exposure region, it is possible to occur yellowing and chalking, so you have to apply good weather resistance topcoat.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.
Safety Precautions for handling	<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.

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Warning notice	Please consult our enclosed here with warning
Typical Systems	Preceding primer(For concrete) : SUPERCRETE 820, etc. (For steel, if necessary) : SUPERPOXY 130.
About law	

Physical Data

Finish	Semi-gloss	Color	Blue, Grey, others (limit colors)
Applied over	Blasted steel, primed concrete	Components	2
Solids by volume	About 100%	Recommended D.F.T	250~400 μ m
Coats	1~2	Mixing ratio(vol)	2:1
Theoretical Coverage	4.0 m ² /L (@ D.F.T. 250 μ m) * Allow for application losses and surface irregularities.	Pot life(20°C)	1hr
Drying time(20°C)	Dry hard: 24hrs	To topcoat(20°C)	24hrs ~ 3days
Thinner	Thinner 002 (If necessary)	Curing time for Immersion service	5days (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.