

Coal-tar epoxy coating

# SUPERTAR 4000



SUPERTAR 4000 is a polyamide-cured, high build coal-tar epoxy coating for non-immersion as well as immersion service, providing excellent corrosion and chemical resistance and full film thickness. It can be applied over both steel and concrete.

## Usage

- 1) Immersion: marine structures, hulls and ship bottoms, Internal tank (sea water, waste water)
- 2) Non-immersion : Chemical resistant part or bury part etc.

## Application Procedure

<b>Procedure</b>	<ol style="list-style-type: none"><li>1. Surface preparation<ol style="list-style-type: none"><li>1) Steel : Blast all surface in accordance with SSPC-SP10("Near White", SIS Sa 2 1/2).</li><li>2) Concrete: Light abrasive blasting is best to remove all previous coatings, chalk and surface glaze or laitance.</li></ol></li><li>2. Environmental Conditions<ul style="list-style-type: none"><li>Air temperature : 10~49°C, Surface temperature: 10~49°C</li><li>Relative humidity : up to 85%</li><li>The surface temperature must be at least 3°C above the dew point to prevent moisture condensation.</li></ul></li><li>3. Application Equipment<ul style="list-style-type: none"><li>Conventional or airless spray, power mixer</li><li>Airless spray: Tip size-0.017~0.025inch</li><li>Output pressure-143atm</li><li>Thinning ratio: Up to 15%(Vol)</li><li>(*Airless spray data are indicative and subject to adjustment)</li></ul></li></ol>
<b>Caution for usage</b>	<ol style="list-style-type: none"><li>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.</li><li>2) Avoid applying paint on rainy days, high humidity(Over 85%) day, low temperature(Under -5°C) condition.</li><li>3) When immersed before curing time for immersion service, it can make coating problems (chalking, discoloration, blistering, etc.)</li><li>4) 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.</li><li>5) When apply this paint to immersion region of concrete managing waterproofing, it is possible to occur peeling. So, coating work have to be proceeded after checking the adhesion with our products.</li><li>6) When apply this paint to exposure region, it is possible to occur yellowing and chalking, so you have to apply good weather resistance topcoat.</li></ol>
<b>Caution for handling</b>	<ol style="list-style-type: none"><li>1) Store it indoor (5~35°C) condition, avoiding heat and open flame. And, keep it standing and being closed.</li><li>2) Dispose of the waste paint through the waste disposal company designated by the Ministry of Environment.</li><li>3) Since this product is a chemical product, it may deteriorate during long-term storage. Please refer to our customer center for the products that have passed this period.</li></ol>
<b>Warning</b>	Please refer to the warning in the appendix.
<b>Application system</b>	Primer for steel – SUPERPOXY 130 Series (if necessary) Primer for concrete – EPOCOAT PRIMER etc

## Physical Data

<b>Finish</b>	Flat	<b>Color</b>	Black
<b>Applied over</b>	Blasted steel or primed concrete	<b>Components</b>	2
<b>Volume Solid</b>	Approximately 70%	<b>Recommended Film Thickness</b>	400 μm
<b>Coats</b>	1~2	<b>Mixing Ratio A : B</b>	4:1 (vol)
<b>Recommended Coverage</b>	1.75 m <sup>2</sup> /L ( @ D.F.T. 400μm) * Allow for application losses and surface irregularities.	<b>Pot life(20°C)</b>	4hrs

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<b>Dry times(20°C)</b>	Dry through : 16hrs	<b>Recoatable(20°C)</b>	To topcoat(min/max) : 16hrs ~ 7days
<b>Diluent</b>	Thinner 395	<b>Shelf Life</b>	12months (When stored indoors at 5~35°C)
<b>Packing Unit</b>	20L[16L/4L], 18L[14.4L/3.6L], 16L[12.8L/3.2L]		

The information given in this document is based on laboratory tests and on-site application results, but may vary depending on quality improvement and work conditions. 2019/06/27