

Acrylic Polyurethane top coating

SUPERTHANE 300BG



SUPERTHANE 300BG, based mainly on acrylic resin and polyurethane, provides outstanding weather resistance with excellent color and gloss retention and resistance to broad range of corrosive atmosphere. It forms hard, tough, flexible, and abrasion resistance dry film.

Usage

As a finish coat for chemical plants, pulp and a paper mills, offshore platforms, petroleum refineries, box girder, etc.

Application Procedure

Procedure	<ol style="list-style-type: none">1. Surface preparation<ol style="list-style-type: none">1) Proper surface preparation and application of underlying coats are essential for optimum performance.2) All primed surfaces must be free of oil, moisture, dust and any other contaminants.2. 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. Drying time can be different under -5°C.</p>3. Application Equipment<p>Conventional or airless spray, power mixer, brush or roller Airless spray: Tip size-0.015~0.019inch Output pressure-2100psi/143atm (*Airless spray data are indicative and subject to adjustment) Thinning ratio: Up to 5%(vol)</p>
Caution for usage	<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) Avoid applying paint on rainy days, high humidity(Over 85%) day, low temperature(Under -5°C) condition.3) If you use Brush or Roller, need to 2~3 times paints.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.5) When coated on high humidity or windy day, it is possible to cause chalking.6) Before drying through, contaminants in the atmosphere (dust, smoke, etc.) can attach to coating film. So, minimize the contacting with contaminants and moisture during the drying process.7) When coating summer season (April ~ September), 'SUPERTHANE 300BG SUMMER TYPE is recommended.
Caution 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) Dispose of the waste paint through the waste disposal company designated by the Ministry of Environment.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.
Warning	Please refer to the warning in the appendix.
Application system	Preceding primer : SUPERZINC 190BG(D), SUPERPOXY 122, SUPERPOXY 130, etc. Intermediate coating : SUPERPOXY 270 Series, SUPERPOXY 460, etc.

Physical Data

Finish	Gloss, Semi-gloss, Flat	Color	Wide range of color
Applied over	Primed steel or concrete	Components	2
Volume Solid	Approximately 48%	Recommended Film Thickness	50 μm
Coats	1~2	Mixing Ratio A : B	4:1(vol)
Recommended Coverage	9.6 m ² /L (@ D.F.T. 50μm) * Allow for application losses and surface irregularities.	Pot life(20°C)	8hrs
Dry times(20°C)	Dry through : 8hrs	Recoat(20°C)	To topcoat(min) : 12hrs
Diluent	Urethane Thinner	Shelf Life	12months (When stored indoors at 5~35°C)

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Packing Unit	16L[12.8L/3.2L]		
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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.

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