

Inorganic zinc rich primer

# SUPERZINC 190BG(F)



SUPERZINC 190BG(F) is designed mainly on inorganic zinc silicate for preventing long-term corrosion of steel. It provides good anticorrosion by cathodic protection effect and has good weathering and heat resistance (withstands temperature up to 400°C).

## Usage

Used for anticorrosion of steel structure, plant area, tank exterior, offshore platforms, etc.

But, Except direct contact to acid or alkali without adequate top coat.

## 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) All blasted steel must be free of oil, moisture, re-rust and any other contaminants.</li></ol></li><li>2. Environmental Conditions Relative humidity : 50~85% 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.</li><li>3. Application Equipment Conventional or Airless spray, power mixer Airless spray: Tip size-0.017~0.023inch Output pressure-60~126atm (*Airless spray data are indicative and subject to adjustment) Thinning ratio: Up to 5%(vol)</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 90%) day, low temperature(Under -5°C) condition.</li><li>3) Stir powder into liquid until well dispersed, using a power mixer. And, filter through 30mesh.</li><li>4) Below surface preparation grade of SSPC-SP10, the adhesion can be weak.</li><li>5) Top coat with oil types can be peeling by saponification reaction.</li><li>6) When applying top coat, "Mist Coat" is required for removing pinhole and bubbling.</li><li>7) Recoat with same paint is impossible. And, if you want to recoat by the film below, Use epoxy zinc type paints.</li><li>8) Use summer type paint such as high humidity day from June to August, the high humidity can make problems like dust, workability problems, etc.</li><li>9) Be careful with problem with the Mud Crack. It can happen above D.F.T 150µm. But, It can be changed by weather condition.</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>	Subsequent topcoat : SUPERRUBBER, SUPERPOXY, SUPERTHANE, etc. Unsuited topcoat : Oil paint, Alkyd Based paint.

## Physical Data

<b>Finish</b>	Flat	<b>Color</b>	Zinc grey
<b>Applied over</b>	Blasted steel	<b>Components</b>	2
<b>Volume Solid</b>	Approximately 61%	<b>Recommended Film Thickness</b>	75µm
<b>Coats</b>	1	<b>Mixing Ratio A : B</b>	16 : 2(vol)
<b>Recommended Coverage</b>	8.1 m <sup>2</sup> /L ( @ D.F.T. 75µm) * Allow for application losses and surface irregularities.	<b>Pot life(20°C)</b>	8hrs

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<b>Dry times(20°C)</b>	Dry hard: 2hours	<b>Recoatable(20°C)</b>	To topcoat(min/max) : 24hrs ~ None * Recoat with same paint is impossible.
<b>Diluent</b>	SUPERTHINNER 132 (over 21°C) SUPERTHINNER 122 (below 21°C)	<b>Shelf Life</b>	PART A : 8 months PART B : 12 months (When stored indoors at 5~35°C)
<b>Packing Unit</b>	18L[16L/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.

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