

Heat resistant phenol novolac epoxy coating

# SUPERPOXY 3230HT



**SUPERPOXY 3230HT is a high density cross-linked epoxy phenolic coating suitable for protecting steelwork that is exposed to a wide range of highly corrosive environments, particularly insulated pipework subjected to wet and dry cycling, operating at temperatures up to 230°C. (Minimum temperature: -196°C)**

**It meets CS-3, 4 for carbon steels and SS-2, 3 for stainless steels under thermal insulation according to NACE SP0198-10.**

## Use

Used as exposure in a wide range of highly corrosive environments, including insulated and uninsulated steel and stainless steel on the exterior or pipework etc.

## Application Method

<b>Method of use</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) Stainless steel: Degrease with solvent and sweep blast in accordance with SSPC-SP16.</li><li>3) Surface profile: 40~75 <math>\mu\text{m}</math></li></ol></li><li>2. Environmental Conditions<ol style="list-style-type: none"><li>1) Over 5°C is ideal for painting and curing.</li><li>2) The surface temperature must be at least 3°C above the dew point to prevent moisture condensation.</li><li>3) Relative humidity : up to 85%</li></ol></li><li>3. Application Equipment<ol style="list-style-type: none"><li>1) Conventional or airless spray, power mixer, brush, roller</li><li>2) Airless spray: Tip size-0.017~0.021 inch, Output pressure-150atm</li><li>3) Thinning ratio: about 10%(vol) (*Airless spray data are indicative and subject to adjustment)</li></ol></li></ol>
<b>Safety Precautions for application</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) When used in rainy day, high humidity(Over 85%) day, low temperature(Under 5°C) condition, avoid the painting.</li><li>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.</li><li>4) It is possible to apply up to 400<math>\mu\text{m}</math> with multiple coats.(Excessive D.F.T can cause crack and peeling off at high temperature condition)</li><li>5) If recoating time is passed, surface preparation by sand paper is needed to all surface and apply the next coating.</li><li>6) This paint is epoxy paint. So, it can cause yellowing and chalking in exposed area. (Even within the recoating time, remove chalking and dust before recoating.)</li></ol>
<b>Safety Precautions 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) When you dispose of it, follow the rules.</li><li>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.</li></ol>
<b>Warning notice</b>	Please consult our enclosed here with warning
<b>Typical Systems</b>	SUPERPOXY 3230HT 100 $\mu\text{m}$ x 2coats Total D.F.T 200 $\mu\text{m}$

## Physical Data

<b>Finish</b>	Flat	<b>Color</b>	Grey and others (limit colors)
<b>Applied over</b>	Blasted steel, Stainless steel	<b>Components</b>	2

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<b>Solids by volume</b>	About 68%	<b>Recommended D.F.T</b>	200 $\mu$ m
<b>Coats</b>	2	<b>Mixing ratio(vol)</b>	7:1
<b>Theoretical Coverage</b>	3.4 m <sup>2</sup> /L (@ D.F.T. 200 $\mu$ m) * Allow for application losses and surface irregularities.	<b>Pot life(20°C)</b>	5hr
<b>Drying time(20°C)</b>	Dry hard: 12hrs	<b>To topcoat(20°C)</b>	12hrs ~ 7days
<b>Thinner</b>	THINNER 395	<b>Packing Unit</b>	18L[15.75L/2.25L]
<b>Shelf life</b>	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.