

# CONTITHERM 1572 (1572) HIGH BUILD NOVOLAC( PHENOLIC ) EPOXY COATING

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## TYPE

2 packs, High cross-linked amine-cured phenolic Epoxy(one kind of epoxy is based on novolac resin technology) to provide a corrosion resistant barrier and chemical resistance.CONTITHERM 1572 has excellent ability for anti-corrosion in heavy duty environment. It must be finished by topcoat when used for outdoor condition.

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## USES

Used for carbon steels, stainless steels, and galvanized steels for corrosion prevention under 392 °F (200°C).

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## CHARACTERISTICS

- Excellent heat resistance up to 392°F (200°C).
- Excellent anti-corrosion for thermal shocking structures.
- Excellent overall chemical resistance.

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## PRACTICAL INFORMATION

<b>Color</b>	Gray, Red Brown
<b>Gloss Level</b>	Flat
<b>VOC Values</b>	1.75 lbs/gal (210g/l)
<b>Volume Solids</b>	72 ± 2 %
<b>Theoretical Coverage</b>	4 mils : 285.2 ft <sup>2</sup> /gal (7 m <sup>2</sup> /l) 6 mils : 191.5 ft <sup>2</sup> /gal (4.7 m <sup>2</sup> /l)
<b>Typical Thickness</b>	DFT : 4~6 mils WFT : 5.7~8.6 mils
<b>Service Temperature</b>	-320°F~-392°F (-196°C~200°C)
<b>Preceding Coats</b>	Self Primer, Inorganic zinc, Epoxy zinc
<b>Subsequent Coats</b>	PU coating, Fluorocarbon coating
<b>Repair</b>	Self-repair

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## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	Remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.Surfaces must be clean and dry. Moisture, grease, sludge, dust, corrosive salt must be thoroughly cleaned from substrate.
<b>Steel</b>	Surface preparation standards can be used SSPC-SP10, Sa2 1/2 (ISO 8501-1:2007) or hand rusting to SIS St3. Roughness for structure of carbon steel requires for 45~60 microns.

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## SUBSTRATES & SURFACE PREPARATION

### Stainless & Galvanized

The galvanized or stainless steel must be sand blasted to SIS Sa1 before application. Roughness for stainless and galvanized steel surface should be above 25 microns.

### Primed Surfaces

CONTITHERM 1572 should always be applied over a recommended anti-corrosive coating scheme. The primer surface should be dry and free from all contamination and CONTIPOXY 1620 must be applied within the overcoating intervals specified .(consult the relevant product data sheet)

### Areas of Breakdown and Damage

Should be prepared to the specified standard (Sa2 1/2 (ISO 8501-1:2007) or SSPC-SP6, Abrasive Blasting or SSPC-SP11, Power Tool Cleaning) and patch primed prior to the application of CONTITHERM 1572.

## PERFORMANCE DATA

Test Method	System	Results
ASTM C267-01 H2SO4(30%)*30days HCL(30%)*30days NaOH(30%)*30days Gasoline*30days Diesel oil*30days	CONTITHERM 1572 (No.1572)	There is no cracking, loss of gross, etching, pitting, softening in appearance.

Test reports and additional data available upon written request.

## MIXING & THINNING

### Mixing

Mix base and hardener according to the mixing ratio and stir thoroughly.

### Thinning

Use Epoxy Thinner to thin up 5-10%

### Mixing Ratio

Base : Hardener = 84 : 16 ( by weight )

### Pot Life

2 hours at 77 °F (mixture, 25°C)

## APPLICATION EQUIPMENT GUIDELINES

### Spray Application

Avoid applying the paint in rainy weather or the relative humidity exceed 85%, particularly, a wet surface must be thoroughly dried. All equipment must be cleaned immediately after use. The usage of thinner will increase or decrease depending on the temperature of the coated surface.

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## APPLICATION EQUIPMENT GUIDELINES

<b>Airless Spray</b>	Pump ratio : 45:1 or greater Tip size : 0.021”~0.025” Output PSI : 2500~4000 PSI
<b>Brush</b>	Application by brush is applicable. Thinning rate: 0~5%. For special condition please consult with product manufacturer.
<b>Roller</b>	Application by roller is applicable. Thinning rate: 0~5%. For special condition please consult with product manufacturer.

## APPLICATION CONDITIONS

Condition	Coating	Surface	Environment	Humidity
Minimum	50°F(10°C)	50°F(10°C)	50°F(10°C)	30%
Maximum	113°F(45°C)	122°F(50°C)	113°F(45°C)	85%

Industry standards are for substrate temperatures to be 5°F (3°C) above the dew point.

## CURING SCHEDULE

Surface Temp. ( 50% Relative Humidity )	Touch Dry	Hard Dry	Dry to Handle
50°F (10°C)	6 hours	24 hours	7 days
77°F (25°C)	2 hours	8 hours	7 days
122°F (50°C)	1 hours	4 hours	3 days

## OVERCOATING INTERVAL

Surface Temp. ( 50% Relative Humidity )	Minimum	Maximum
50°F (10°C)	2 days	14 days
77°F (25°C)	8 hours	7 days
122°F (50°C)	2 hours	3 days

## CLEANER & SAFETY

<b>Cleaner</b>	Use Epoxy Thinner (CONTITHINNER 12) to clean. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
<b>Safety Ventilation</b>	Please read and follow all caution statements on this product data sheet and MSDS for this product. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and to protect against toxic or oxygen deficient hazards.

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**PACKAGE,  
HANDLING &  
STORAGE**

<b>Shelf Life</b>	Minimum 18 months under normal conditions.
<b>Shipping Weight</b>	1 Gallon Kit – Part A : 4.5 kg    Part B : 0.9 kg 5 Gallon Kit – Part A : 22.0 kg    Part B : 4.5 kg
<b>Storage Temperature &amp; Humidity</b>	41-95°F (5-35°C) 0-90% Relative Humidity
<b>Flash Point</b>	Part A : 77°F(25°C)    Part B : 77°F(25°C)
<b>Storage</b>	Store in dry, shaded conditions away from sources of heat and ignition.