

CONTIPOXY 1666 (EP-66) EPOXY ZINC PHOSPHATE PRIMER

TYPE

A two-packs, anti-corrosion coating is based on epoxy resin with zinc phosphate pigment.

USES

Use for exposed steel structures of petrochemical factory, power plants, coastal facilities, and storage tanks.

CHARACTERISTICS

- Excellent resistance to salt water
- Excellent rust preventive properties
- Sturdy film
- Good adhesion
- Excellent resistance to mechanical damage
- Resistance to oils and chemicals

PRACTICAL INFORMATION

Color	Grey
Gloss Level	Flat
VOC Values	3.42 lbs/gal (410 g/l)
Volume Solids	53±2%
Theoretical Coverage	1 mils : 1129 ft ² /gal (107.5 m ² /l) 1.8 mils : 627.2 ft ² /gal (59.7 m ² /l)
Typical Thickness	DFT : 1~1.8 mils WFT : 4.3~26 mils
Service Temperature	Continuous: 302°F (90°C) ; Non-Continuous: 356°F (120°C)
Preceding Coats	No.908 Wash Primer (SP-01/02) No.1006 Epoxy Zinc Rich Primer (EP-03) No.1011 Inorganic Rich Primer (IZ-01) No.1021 Cathozinc Shop Primer, Type-2 (SP-09) SP-08 Epoxy Non-Zinc Shop Primer
Subsequent Coats	Epoxy, Vinyl, Chlorinated Rubber or PU system.
Repair	Self-Repairing

SUBSTRATES & SURFACE PREPARATION

General	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.
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SUBSTRATES & SURFACE PREPARATION

Steel	Surface preparation standards can use SSPC-SP10 or Sa2 1/2 (ISO 8501-1:2007).
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 CONTIPOXY 1666.

MIXING & THINNING

Mixing	Mix base and hardener according to the mixing ratio and stir thoroughly.
Thinning	Use Epoxy Thinner (CONTITHINNER 12) to thin up 5-15%.
Mixing Ratio	Base: Hardener = 90.6 :9.4 (by weight)
Pot Life	4 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, if the temperature is decreased the amount of thinner may have to be increased.
Airless Spray	Pump ratio 28 :1 or greater Tip size: 0.019”~ 0.021” Air Pressure 5~ 6 Kg/cm
Brush	Application by brush is applicable. For special condition please consult with product manufacturer.
Roller	Application by roller is applicable. 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	95°F (35°C)	131°F (55°C)	113°F (45°C)	85%

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

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CURING SCHEDULE

Surface Temp. (50% Relative Humidity)	Touch Dry	Hard Dry	Dry to Handle
50°F (10°C)	16 hours	24 hours	7 days
59°F (15°C)	8 hours	16 hours	7 days
77°F (25°C)	4 hours	8 hours	7 days
95°F (35°C)	3 hours	6 hours	5 days

OVERCOATING INTERVAL

Surface Temp. (50% Relative Humidity)	Minimum	Maximum
68°F (20°C)	2.5 hours	2 months
104°F (40°C)	1 hours	14 days

CLEANER & SAFETY

Cleaner	Use Epoxy Thinner (CONTITHINNER 12) to clean. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
Safety Ventilation	Please read and follow all caution statements on this product data sheet and MSDS for this product.

PACKAGE, HANDLING & STORAGE

Shelf Life	Part A : Minimum 2 years under normal storage conditions Part B : Minimum 1 years under normal storage conditions
Shipping Weight	1 Gallon Kit – Part A : 4.4 kg Part B : 0.4 kg 5 Gallon Kit – Part A : 22 kg Part B : 2 kg
Storage Temperature & Humidity	41-95°F (5-35°C) 0-90% Relative Humidity
Flash Point	Above 77°F (25°C)
Storage	Store in cool ventilated place, do not exposed to the sun in outdoor to avoid affecting the quality.