

CONTIZINC 1727 (EP-03AA) EPOXY ZINC RICH PRIMER

TYPE

A two-packs; Organic Zinc Epoxy

USES

Use for steel structures of power plants, harbor facilities, bridges, water pipelines and storage tanks to extend the protection of life. CONTIZINC 1727 can be used for repairing and touching-up of the damaged and rusted areas on galvanized steel surfaces.

CHARACTERISTICS

- Excellent adhesive with fast curing.
- Excellent resistance to oil, mechanical damage and organic solvents.
- Excellent resistance to salt water and abrasion.
- Can be used on carbon/corrosive alloy steel and galvanic steel.
- Excellent protection for carbon steel.

PRACTICAL INFORMATION

Color	Gray
Gloss Level	Matt
VOC Values	3.9 lbs/gal (459 g/l)
Volume Solids	48±3%
Theoretical Coverage	1 mils : 861.2 ft ² /gal (80 m ² /l) 2 mils : 430.6 ft ² /gal (40 m ² /l)
Typical Thickness	DFT : 2~3 mils WFT : 4.1~6.2 mils
Service Temperature	Continuous 194°F (90°C); Non-Continuous 284°F (140°C)
Preceding Coats	Epoxy, Vinyl, Silicone 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.
Steel	Surface preparation standards can use SSPC-SP10 or Sa2 1/2 (ISO 8501-1:2007)

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MIXING & THINNING

Mixing	Pour the curing agent gradually into the base with constant stirring and then pass through 80 mesh filter.
Thinning	Use CONTITHINNER 12 thinner to thin up 5~10%
Mixing Ratio	Base: Hardener = 91.3: 8.7 (by weight)
Pot Life	8 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 30:1 or greater Tip size : 0.017"~ 0.025" Output PSI : 2500~3800
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.

CURING SCHEDULE

Surface Temp. (50% Relative Humidity)	Touch Dry	Hard Dry	Dry to Handle
50°F (10°C)	12 hours	16 hours	7 days
59°F (15°C)	6 hours	12 hours	7 days
77°F (25°C)	3 hours	6 hours	7 days
95°F (35°C)	2 hours	5 hours	5 days

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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. 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.

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 : 0.91Gallon (7.3 Kg) Part B : 0.09 Gallon (0.7 Kg) 5 Gallon Kit – Part A : 4.55 Gallon (36.5 Kg) Part B : 0.45 Gallon (3.5 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.