

CONTIZINC 2709 (SP-09) CATHOZINC SHOP PRIMER TYPE-2

TYPE

A two-packs, inorganic zinc rust preventive primer based on ethyl silicates, additives and zinc powder.

USES

Use for blast-cleaned steel structures, such as ships, storage tanks and coastal facilities.

CHARACTERISTICS

- Excellent resistance to corrosion and weathering
- Excellent heat resistance with slight scorched areas in cutting and welding.
- Good properties for EPM operations
- Excellent cutting and welding properties and coating application
- Excellent for coating application
- Very slight zinc fume in cutting and welding, great safety for working personnel.
- Excellent overcoat ability with various kinds of coatings.

PRACTICAL INFORMATION

Color	Gray, Brown
Gloss Level	Matt
VOC Values	5.1 lbs/gal (598 g/l)
Volume Solids	28±3%
Theoretical Coverage	1 mils : 452.1 ft ² /gal (42 m ² /l) 0.6 mils : 753.5 ft ² /gal (70 m ² /l)
Typical Thickness	0.6 mils (15 µm)
Service Temperature	750°F (400°C)
Preceding Coats	Chlorinated Rubber, Epoxy, Vinyl, and Silicone or PU system
Repair	CONTIZINC 1727

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 zinc additive gradually into the base with constant stirring and then pass through 80 mesh filter.
Thinning	Above 77°F (25°C), use HT-type CONTITHINNER 14 thinner to thin up 3~5%. Below 77°F (25°C), use LT-type CONTITHINNER 14 thinner to thin up 3~5%.
Mixing Ratio	Base : additive = 37.5: 62.5 (by weight) ; 11 : 9 (by volume)
Pot Life	24 hours at 77°F (mixture, 25°C)

APPLICATION EQUIPMENT GUIDELINES

Spray Application	When the relative humidity is lower than 55%, water should be sprayed on after being painted for 30 minutes to promote hardening. The dry film thickness should not exceed 2.2 mils to avoid cracking. This coating does not suitable for repairing or recoating, please use product CONTIZINC 1727 for repairing to avoid layer film cracking.
Airless Spray	Pump ratio 45:1 or greater Tip size : 0.013"~ 0.015" Air Pressure: 5~7 kg/cm ²
Brush	For touch-up of areas less than one square foot only. Use medium bristle brush and avoid re-brushing.
Roller	Not recommended

APPLICATION CONDITIONS

Condition	Coating	Surface	Environment	Humidity
Minimum	32°F (0°C)	32°F (0°C)	32°F (0°C)	30%
Maximum	113°F (45°C)	158°F (70°C)	113°F (45°C)	99%

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
41°F (5°C)	3 hours	12 hours	3 days
59°F (15°C)	2 hours	8 hours	3 days
77°F (25°C)	1 hour	6 hours	3 days
95°F (35°C)	1 hour	4 hours	3 days

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**CLEANER &
SAFETY**

Cleaner	Use Thinner (CONTITHINNER 14) 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 2 years under normal storage conditions
Shipping Weight	1 Gallon Kit – Part A : 2.45 kg Part B : 8.03 kg 3 Gallon Kit – Part A : 7.35 kg Part B : 24.09 kg
Storage Temperature & Humidity	41-95°F (5-35°C) 0-90% Relative Humidity
Flash Point	Part A : 55°F (13°C) Zinc Filler: NA
Storage	Base and zinc additive storage cannot sunlight exposure or temperature exceeds 40°C.