

CONTIZINC 7770 (PU-700) ONE-PACK POLYURETHANE ZINC PRIMER

TYPE

One-pack, moisture curing type of primer that is based on polyisocyanate resin with rust inhibitors such as zinc powder.

USES

Use for steel structures, harbor facilities, bridges, and pipelines.

CHARACTERISTICS

- One-pack package can result to cost-effectiveness and time saving.
- Moist curing type of coating can be applied under highly humid environment.
- Excellent permeability to surface due to low viscosity of coating. It can tightly seal and adhere the steel structure surface and its rusty façade.
- Suitable to rusty steel surface that can only be cleaned by hand or high pressure water, but is unable to clear by blasting.
- Excellent chemical and water resistance and weatherability.
- CNS 10757 K6801 3000 hours salt spray test.
- Quick drying to shorten application period.

PRACTICAL INFORMATION

Color	Brown and Gray
Gloss Level	Matt
VOC Values	3.06 lbs/gal (360 g/l)
Volume Solids	65±3%
Theoretical Coverage	1 mils : 981.6 ft ² /gal (91.2 m ² /l) 2.4 mils : 409 ft ² /gal (38 m ² /l)
Typical Thickness	Dry : 2.4mils(60µm) Wet : 4mils(100µm)
Service Temperature	212°F (100°C)
Preceding Coats	Polyurethane, Epoxy and Fluorine Top coated
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).

CONTIZINC 7770 (PU-700) ONE-PACK POLYURETHANE ZINC PRIMER

SUBSTRATES & SURFACE PREPARATION

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 CONTIZINC 7770.

MIXING & THINNING

Mixing Use CONTITHINNER 36 to thin up 3~5%. (Excluded use for cleaning)

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"~ 0.021"
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	113°F (45°C)	140°F (60°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
59°F (10°C)	12 hours	24 hours	7 days
77°F (25°C)	4 hours	8 hours	3 days
95°F (35°C)	3 hours	6 hours	3 days

CONTIZINC 7770 (PU-700) ONE-PACK POLYURETHANE ZINC PRIMER

CLEANER & SAFETY

Cleaner	Use CONTITHINNER 36 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	1 years under normal storage conditions
Shipping Weight	1 Gallon – 8.6kg
Storage Temperature & Humidity	41-95°F (5-35°C) 0-90% Relative Humidity
Flash Point	55°F (13°C)
Storage	Avoid sunlight exposure or temperature exceeds 95°F (35°C).