CONTIPOXY 1620 (1050)
EPOXY M.I.O PRIMER

TYPE

A two-packs, high performance anti-corrosive intermediate primer is based on epoxy resin and special hardener with mica flakes iron oxide and aluminum pigments.

USES

Use for steel structures such as bridges, water canal, plant equipments, storage tanks etc.

CHARACTERISTICS

- Provide a tough and sturdy film with a good adhesion.
- Excellent salt water resistance.
- Very good oil resistance.
- Excellent rust preventive properties.
- Excellent mechanical damage resistance.
- Excellent ultraviolet light resistance.

PRACTICAL INFORMATION

Color	Silver red, grey
Gloss Level	Flat
VOC Values	3.2 lbs/gal (390 g/l)
Volume Solids	Above 50%
Theoretical Coverage	2mils：407.4 ft^2/gal (10 m^2/l) 4mils：203.7 ft^2/gal (5 m^2/l)
Typical Thickness	DFT：2~4 mils WFT：4~8 mils
Service Temperature	≤194℉ (90℃)
Preceding Coats	Self Primer, Inorganic zinc, Epoxy zinc
Subsequent Coats	PU coating, Fluorocarbon coating, etc…
Repair	Self-repair

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 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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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	CONTIPOXY 1620 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 CONTIPOXY 1620.

MIXING & THINNING

Mixing	Mix base and hardener according to the mixing ratio and stir thoroughly.
Thinning	Use Epoxy Thinner (CONTITHINNER 12) to thin up 5-10%
Mixing Ratio	Base : Hardener = 91 : 9 (by weight)
Pot Life	2 hours at 77 ℉ (mixture, 25℃)

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.
Airless Spray	Pump ratio : 30:1 or greater Tip size : 0.021''~0.025" Output PSI : 2500~4000 PSI
Brush	Application by brush is applicable. Thinning rate: 0~5%. For special condition please consult with product manufacturer.
Roller	Application by roller is applicable. Thinning rate: 0~5%. For special condition please consult with product manufacturer.

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APPLICATION CONDITIONS

Condition	Coating	Surface	Environment	Humidity
Minimum	50℉(10℃)	50℉(10℃)	50℉(10℃)	30%
Maximum	113℉(45℃)	122℉(50℃)	113℉(45℃)	85%

CURING SCHEDULE

Surface Temp. (50% Relative Humidity)	Touch Dry	Hard Dry	Dry to Handle
50℉ (10℃)	12 hours	24 hours	7 days
77℉ (25℃)	5 hours	8 hours	7 days
122℉ (50℃)	1 hours	4 hours	3 days

OVERCOATING INTERVAL

Surface Temp. (50% Relative Humidity)	Minimum	Maximum
50℉ (10℃)	1 days	10 days
77℉ (25℃)	8 hours	7 days
122℉ (50℃)	2 hours	3 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. 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

Minimum 18 months under normal conditions.

Shipping Weight

1 Gallon Kit – Part A：4.5 kg Part B：0.6 kg
5 Gallon Kit – Part A：22.0 kg Part B：3.0 kg

Storage Temperature &Humidity

41-95℉(5-35℃)
0-90% Relative Humidity

Flash Point

Part A：77℉(25℃) Part B：77℉(25℃)

Storage

Store in dry, shaded conditions away from sources of heat and ignition.