CONTIPOXY 1014 (1014)
EPOXY SOLVENTLESS CLEAR

TYPE

Two-pack, solventless clear paint based on solventless epoxy and hardener.

USES

Used for cement wall, cement pipelines, cement products, storage tank lining and plant floor to resist acids and alkalis.

CHARACTERISTICS

- Tough and hard film with very good adhesion.
- Excellent resistance to oils, water, sea water.
- 200μm pinhole-less paint film with one coat.
- Excellent resistance to mechanical damage.
- Outstanding resistance to acids and alkalis.

PRACTICAL INFORMATION

Color	Translucent liquid
Gloss Level	high-gloss
VOC Values	0.43 lb/gal(50 g/L)
Volume Solids	Above 95% (mixture)
Theoretical Coverage	16.6 ㎡/Gal 4.4 ㎡/L 4.4 ㎡/Kg
Typical Thickness	Wet 225 microns Dry 200 microns
Service Temperature	≤194℉ (90℃)
Preceding Coats	Self Priming Inorganic Zinc Rich Primer, Epoxy Zinc Rich Primer , Epoxy Alloy Primer One Pack Polyurethane Maintenance Primer, Epoxy Aluminum Tripolyphosphate Primer.
Subsequent Coats	Epoxy, Polyurethane, Fluorocarbon resin system.
Mass Density	Above 1.0 Kg/L (mixture)

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).
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.

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Cement Surface	The surface of cement wall or cement products must be thoroughly dried then can be applied.
Primed Surfaces	Contipoxy 1014 should always be applied over a recommended anti-corrosive coating scheme. The primer surface should be dry and free from all contamination and Contipoxy 1014 must be applied within the overcoating intervals specified (consult the relevant product data sheet).
Areas of Breakdown and Damage	It 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 1014.

MIXING & THINNING

Mixing	Mix base and hardener according to the mixing ratio and stir thoroughly.
Thinning	Use Epoxy Thinner (SP-12) to thin up 5-10%.
Mixing Ratio	Base : Hardener = 65 : 35 (by weight)
Pot Life	Less than 1 hours at 77℉(mixture 100 g, 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. To increase or decrease the usage of thinner depending on the temperature of the coated surface, the temperature decreased may have to add more amount of thinner.
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℉(10℃)	50℉(10℃)	50℉(10℃)	30%
Maximum	113℉(45℃)	122℉(50℃)	113℉(45℃)	85%

Industry standards are for substrate temperatures to be 5℉ (3℃) 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℉(10℃)	12 hrs	24 hrs	10 days
77℉(25℃)	8 hrs	18 hrs	7 days
122℉(50℃)	6 hrs	14 hrs	5 days

OVERCOATING INTERVAL

Surface Temp. （50% Relative Humidity）	Minimum	Maximum
50℉ (10℃)	18 hours	10 days
77℉ (25℃)	14 hours	7 days
122℉ (50℃)	10 hours	5 days

CLEANER & SAFETY

Cleaner

Use Epoxy Thinner (SP-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 1 year under normal conditions.

Shipping Weight

1 Gallon Kit – Part A：2.6 kg Part B：1.32 kg
5 Gallon Kit – Part A：13 kg Part B：6.6 kg

Storage Temperature &Humidity

41-95℉ (5-35℃)
0-90% Relative Humidity

Flash Point

Above 77℉(25℃)

Storage

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