CONTIPOXY 1606 (1004)
EPOXY-TAR, HB

TYPE

A two-packs, high build type anti-corrosive coating is based on coal tar and epoxy resin with hardener.

USES

Use for coastal facilities, ballast tanks, bridges, chemical plants, water tunnel, underground water pipelines, power plant inlet and outlet cooling water steel pipes, sewage exhaust steel pipes.

CHARACTERISTICS

- High build (DFT 8mils can be obtained by one coat)
- Provide a tough and hard film.
- Excellent abrasion, water, salt water, oil and chemical resistance.
- Good resistance to galvanic action.
- Low cost.

PRACTICAL INFORMATION

Color	Black
Gloss Level	Semi-gloss
VOC Values	2.7 lbs/gal (327 g/l)
Volume Solids	Above 60%
Theoretical Coverage	4mils：244.5 ft^2/gal (6 m^2/l) 8mils：122.2 ft^2/gal (3 m^2/l)
Typical Thickness	DFT：4~8 mils WFT：6.7~13.3 mils
Service Temperature	≤194℉ (90℃)
Preceding Coats	Self Primer, Inorganic zinc, Epoxy zinc
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 1606 should always be applied over a recommended anti-corrosive coating scheme. The primer surface should be dry and free from all contamination and CONTIPOXY 1606 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 1606.

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 = 90 : 10 (by weight)
Pot Life	5 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 roller is applicable. Thinning rate: 0~5%. For special condition please consult with product manufacturer.
Roller	Application by brush 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
77℉ (25℃)	5 hours	24 hours	7 days
122℉ (50℃)	1 hours	3 hours	4 days

OVERCOATING INTERVAL

Surface Temp. (50% Relative Humidity)	Minimum	Maximum
77℉ (25℃)	18 hours	5 days
122℉ (50℃)	12 hours	2 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：4.7 kg Part B：0.5 kg
5 Gallon Kit – Part A：23.5 kg Part B：2.5 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.