

TYPE

A two-packs, high-solids colored coating is based on acrylic polyol resin with nonyellowing polyisocyanate hardener.

USES

Use for wooden, metal, FRP products and steel structures such as ships, vehicles, bridges, oil refineries, power stations, pulp factories, chemical plants etc.

CHARACTERISTICS

- High gloss and excellent appearance.
- Excellent weather resistance with gloss and color retention.
- Excellent resistance to chemicals.
- Excellent adhesion, hardness, flexibility and abrasion resistance.

PRACTICAL INFORMATION

Color A broad range of colors is upon customer request

Gloss Level Gloss

VOC Values 2.86 lbs/gal(336 g/l), use Contithinner36 to thin up 5% (3.21

lbs/gal=378 g/l) or 15% (3.78 lbs/gal=445 g/l).

Volume Solids Above 57%

Theoretical Coverage 1 mils: 928.3 ft²/gal (86.4 m²/l)

2.4 mils: 386.8 ft²/gal (36 m²/l)

Typical Thickness 1.6~3.2 mils per coat.

Dry film thickness in excess of 3.2 mils (80 microns) per coat is

not recommended

Service Temperature Continuous : 200°F(93°C) Non-Continuous :250°F(121°C)

Preceding Coats Contipoxy 1102 Epoxy Primer / Contizinc 1073 Epoxy Zinc

Rich Primer / Contipoxy 1620 Epoxy M.I.O. Primer / Contipoxy 1299 High Solids Epoxy Coating / Contizinc 7770 One Pack

Polyurethane Maintenance Primer

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.

Primed Surfaces Contithane 7245 should always be applied over a

recommended anti-corrosive coating scheme. The primer surface should be dry and free from all contamination and Contithane 7245 must be applied within the overcoating intervals specified.

(consult the relevant product data sheet)

CONTINENTAL COATINGS INC.

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SUBSTRATES & SURFACE PREPARATION

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 Contithane 7245.

PERFORMANCE DATA

Test Method	System	Results
ISO 4628-6-07 ISO 4624-02 Cyclic Corrosive Test	Blasted Steel 1 ct. Contizinc 2701 (75 microns) 1 ct. Contipoxy 1699 (150microns) 1 ct. Contithane 7245 (60 microns)	Chalking rating: 0.5 Original adhesive strength: 5.2 MPa Percentage of adhesive strength retention after cyclic corrosive test: 62.9%(3.27 MPa)
ASTM F963 Soluble Heavy Metals Test	1 ct. Contithane 7245	n.d.(Sb · As · Cd · Cr · Pb · Hg · Se) Except UP450#yellow
CNS 15200-5-3 Flexibility	1 ct. Contithane 7245	No cracking and peeling on film
CNS 15200-7-6 Impact resistance	1 ct. Contithane 7245	No cracking and peeling on film
CNS 15200-5-6 Adhesiveness between layers	1 ct. Contipoxy 1216 1 ct. Contithane 7104 PU intermediate 1 ct. Contithane 7245	No abnormality
CNS 15200-6-1 Alkali resistance	1 ct. Contipoxy 1216 1 ct. Contithane 7104 PU intermediate 1 ct. Contithane 7245	No abnormality
CNS 15200-6-1 Acid resistance	1 ct. Contipoxy 1216 1 ct. Contithane 7104 PU intermediate 1 ct. Contithane 7245	No abnormality
CNS 15200-7-4 Humidity and cool-heat cycling resistance	1 ct. Contipoxy 1216 1 ct. Contithane 7104 PU intermediate 1 ct. Contithane 7245	Withstand humidity and cool- heat cycling
CNS 15200-7-6 Accelerated weather resistance	1 ct. Contipoxy 1216 1 ct. Contithane 7104 PU intermediate 1 ct. Contithane 7245	Withstand accelerated weather resistance test of 500hrs. Appearance: No blistering cracking and peeling on film. Color difference: Not larger than reference sample. Chalking grade: 0 Gloss retaining ratio(%): 87

Test reports and additional data available upon written request.

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CERTIFICATION

Norsok M-501-04: Report number KV-12-08801XA-1 (SGS Taiwan Ltd.)

 CNS15665 K2247(2013): Report number 140826373-1 (Taiwan Paint Industry Association)

MIXING & THINNING

Mixing Mix base and hardener according to the mixing ratio and stir

thoroughly.

Thinning Use PU Thinner (Contithinner 36) to thin up 5~15%

Base: Hardener = 88:12 (by weight) Some individual colors may be

different.

Mixing Ratio 3 hours at 77° F (mixture, 25° C)

APPLICATION EQUIPMENT GUIDELINES

Spray Application Avoid applying the paint in rainy or humid weather (the moisture

above 85% RH), otherwise the adhesion will be affected by moisture of substrate and the paint film will be loss its gloss. All equipment must be cleaned immediately after use. When overcoating interval is exceeded, paint surface must be roughened to insure adhesion. Hardener cover must be tightly

closed to avoid reaction with moisture in air to form bubbles and

gelation.

Airless Spray Pump ratio 30:1 or greater

Tip size : 0.015"~ 0.019" Output PSI : 2100~2500

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
Normal	68°F~86°F (20~30°ℂ)	68°F~86°F (20~30°ℂ)	68°F~86°F (20~30°ℂ)	30~55%
Minimum	41 °F (5 °ℂ)	41 °F (5 °ℂ)	41 °F (5 °ℂ)	0%
Maximum	95°F(35°C)	108°F(42°ℂ)	108°F(42°ℂ)	85%

Industry standards are for substrate temperatures to be $5^{\circ}F(3^{\circ}C)$ above the dew point . the product simply requires the substrate temperature to be above the dew point.

Caution: Contithane 7245 is moisture sensitive in the liquid stage and until cured. Protect from high humidity, dew and direct moisture contact until cures. Application and/or curing. in humidities above maximum, or exposure to moisture from rain or dew may result in a loss of gloss and/or not in the same

font.

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CURING SCHEDULE

Surface Temp. (50% Relative Humidity)	Touch Dry	Hard Dry	Dry to Handle
41°F (5°C)	18 hours	24 hours	14 days
59°F (15°℃)	10 hours	18 hours	10 days
77 °F (25 °ℂ)	4 hours	6 hours	7 days
95°F (35°℃)	1.5 hours	4 hours	5 days

OVERCOATING INTERVAL

Surface Temp. (50% Relative Humidity)	Minimum	Maximum
41°F (5°C)	24 hours	16 days
59 °F (15 °C)	18hours	14 days
77 °F (25°ℂ)	6 hours	8 days
95°F (35°C)	4 hours	6days

CLEANER & SAFETY

Cleaner Use PU Thinner (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 Part A: Minimum 2 years under normal storage

conditions

Part B: Minimum 1 years under normal storage

conditions

Shipping Weight Part A: 1 Gallon – 4.94kg 5 Gallon – 24.1kg

Part B: 1 Gallon – 0.74kg 5 Gallon – 3.3kg

Storage Temperature &Humidity 41-95°F (5-35°C)

0-90% Relative Humidity

Flash Point Part A: $77^{\circ}F$ (25°C)

Part B: 116°F (47°C)

Storage Store in dry, shaded conditions away from

sources of heat and ignition.

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