



RAINBOW

POLYURETHANE COATING

PRODUCT NUMBER	UP-450F
TYPE	A two-pack, weather resistant polyurethane coating based on polyol resin and non-yellowing polyisocyanate hardener.
USES	Used for wooden, metal, FRP products, and steel structures such as ships, vehicles, bridges, oil refineries, power stations, pulp factories, chemical plants etc.
CHARACTERISTICS	<ol style="list-style-type: none">1. High gloss and smooth appearance.2. Excellent weather resistance with gloss and color retention.3. Excellent resistance to chemicals.4. Excellent adhesion, flexibility and abrasion resistance.
COLOR	White or desired colors
FLASH POINT	20°C (68°F)
MASS DENSITY	Above 1.3 Kg/L depending on colors (mixture)
VISCOSITY	80~110 KU (mixture, 25°C)
DRYING TIME	Set-to-touch 1 hr. Dry hard 8 hrs. (25°C)
OVERCOATING INTERVALS	Min. 4 hrs. Max. 6 months
OPTIMUM FILM THICKNESS	Wet 105 microns Dry 60 microns
VOLUME SOLIDS	Above 57%
THEORETICAL COVERAGE	36 m ² /Gal 9.5 m ² /L 6.8 m ² /Kg
THINNER	No.736 PU Thinner
THINNING RATE	10~15%
PRECEDING COATS	No.1007 Epoxy Red Lead Primer (EP-01) No.1006 Epoxy Zinc Rich Primer (EP-03) No.1050 Epoxy M.I.O. Primer (EP-20) No.1061 High Solids Epoxy Coating (EP-999) No.1061GF Epoxy High Solids Glass Flake Coating (EP-999GF) No. 700 Moisture Cured Polyurethane Maintenance Primer
MIXING RATIO	Base : Hardener = 88 : 12 (by wt.)
POT LIFE	2 hrs. (mixture, 25°C)
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.
APPLICATION METHOD	Airless spray / Brush or Roller (need to order brush type)
FOR AIRLESS SPRAY	Tip Size 0.019" ~ 0.023" Air Pressure 4 ~ 6 Kg/cm ² Pump Ratio 33 : 1 or greater
NOTE	<ol style="list-style-type: none">1. Mix base and hardener according to the mixing ratio and stir thoroughly.2. Avoid applying paint in rainy or the moisture above 85% RH, otherwise the adhesion will be affected by moisture of substrate and the paint film will be loss its gloss.3. All equipment must be cleaned immediately after use.4. When used inside tanks, sufficient ventilation must be provided.5. When overcoating interval is exceeded, paint surface must be roughened to ensure adhesion.6. Hardener cover must be tightly closed to avoid reaction with moisture in air to form bubbles and gelation.7. If change application method from airless spray to brush or roller, please advice our sales representative.8. Strictly controlling application, not to exceed 80 microns per coat, to avoid bubbles formation.

EPDM71UP450F V1.3

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