



# RAINBOW

## EPOXY TOPCOAT

PRODUCT NUMBER	1001(EP-04) / 1055 / 1056
TYPE	A two-pack, heavy duty corrosion resistance paint based on epoxy resin and special hardener with weather and chemicals resistant pigment.
USES	Used for cement products and steel structures such as steel pipes, steel frame, bridges, plant facilities etc.
CHARACTERISTICS	<ol style="list-style-type: none"><li>1. Tough and hard film, rich flexible and adhesion.</li><li>2. Excellent resistance to water and sea water.</li><li>3. Excellent resistance to abrasion and mechanical damage.</li><li>4. Excellent resistance to oils, solvents and chemicals.</li></ol>
FINISH	Gloss
COLOR	Desired colors
HIDING POWER	Above 8.0 $\text{m}^2/\text{L}$ (mixture, depending on colors)
MASS DENSITY	Above 1.1 Kg/L (mixture, depending on colors)
VISCOSITY	70~95 KU (mixture, 25°C)
DRYING TIME	Set-to-touch 2hrs. Dry hard 10 hrs. Fully cured 7 days (25°C)
OPTIMUM FILM THICKNESS	Wet 100 microns Dry 40 microns
THEORETICAL COVERAGE	38.0 $\text{m}^2/\text{GL}$ 10.0 $\text{m}^2/\text{L}$ 9.0 $\text{m}^2/\text{Kg}$
OVERCOATING INTERVALS	Min. 8 hrs. Max. 6 months
MIXING RATIO	Base : hardener = 92 : 8 (by wt, depending on colors.)
NON-VOLATILE CONTENTS	Above 60% (mixture)
POT LIFE	8 hrs. (mixture, 25°C)
HEAT RESISTANCE	Continuous 93°C Intermittent 121°C
THINNER	No.1005 Epoxy Thinner (SP-12)
THINNING RATE	5~10% (cleaning tools excluded)
PRECEDING COATS	Steel : No.1006(EP-03), No.1007(EP-01), No.1011(IZ-01), No.1050(EP-20), No.1075 No.1076(EP-66) Concrete: No.1073, No.1002, No.1060
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.
APPLICATION METHOD	Airless Spray, Brush, Roller.
NOTE	<ol style="list-style-type: none"><li>1. Mix base and hardener according to the mixing ratio and stir thoroughly then keep static about 10~20 minutes before use.</li><li>2. Adhered moisture, grease, dirt, dust, rust and corrosion salts on substrate must be removed thoroughly.</li><li>3. Avoid applying the paint in rainy weather or relative humidity exceeded 85%, particularly a wet surface must be thoroughly dried.</li><li>4. All equipment must be cleaned immediately after use.</li><li>5. When used inside tanks, sufficient ventilation must be provided.</li><li>6. When overcoating interval is exceeded, paint surface must be roughened to ensure adhesion.</li><li>7. The paint film exposed to the sun for a long-term does have chalking phenomenon that is without affect the quality of paint film.</li></ol>

EPDM101001XX V1.3

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