



# RAINBOW

## WATER-BASED CATALYZED EPOXY COATING

PRODUCT NUMBER	1030FM
TYPE	A two pack, high performance coating based on outstanding weather and chemicals resistant water-based resin, pigment and additives.
USES	Used for cement structures and steel substrates, such as food plants, petrochemical plants, hospital etc to resist contamination, weather and chemicals and toxic-free. It is more suitable to be use for the fire retardant paints.
CHARACTERISTICS	<ol style="list-style-type: none"><li>1. Very good contamination resistance.</li><li>2. Very good weather resistance.</li><li>3. Resist chemicals to splash.</li><li>4. Water as thinner, no fire dangers and non-toxic.</li><li>5. Used for fire retardant paint FM-900 with excellent antifungal effect.</li><li>6. Used for fire retardant paint FM-900 with good adhesion.</li></ol>
FINISH	Flat, semi-gloss
COLOR	Light color series
MASS DENSITY	Above 1.05 Kg/L (mixture)
VISCOSITY	80~115 KU (mixture)
DRYING TIME	Set-to-touch 2 hrs. Dry hard 10 hrs. Fully cured 14 days (25°C, RH=60%)
OPTIMUM FILM THICKNESS	Wet 125 microns Dry 50 microns
THEORETICAL COVERAGE	30.0 m <sup>2</sup> /Gal 8.0 m <sup>2</sup> /L
OVERCOATING INTERVALS	Min. 18 hrs.
MIXING RATIO	Marked on the drums
NON-VOLATILE CONTENT	Above 40% (mixture)
POT LIFE	Above 24 hrs. (mixture, 25°C)
THINNER	Tap water
THINNING RATE	0~5% (cleaning tools excluded)
PRECEDING COATS	Concrete: No.410-1 Emulsion Primer No.420 Water-based Elastomeric Sealer No.1030CP Water-based Epoxy Clear Primer / Sealer Galvanized steel: No.500P Galvanized Steel Emulsion Paint Steel: No.1035 Water-based Epoxy Aluminum Tripolyphosphate Primer Fire retardant paint: EP-66(60μ) + FM-900(depending on size of steel beams) + 1030FM(50μ) Spray-applied fire resistive material: Indoor: EP-66(60μ) + F-1 (depending on size of steel beams) + 1030FM(50μ) Outdoor: EP-66(60μ) + F-100 (depending on size of steel beams) + 1030FM(50μ) Minimum 2 years under normal storage conditions.
STORAGE SHELF LIFE	Minimum 2 years 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.</li><li>2. Adhered moisture, grease, dirt and dust on substrate must be removed thoroughly.</li><li>3. Avoid applying the paint in rainy weather or relative humidity exceeded 85%.</li><li>4. Since without the stable glue time, so please follow the pot life when applying.</li></ol>

EPDM101030FM V1.0

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