



RAINBOW

POLYMER EMULSION

PRODUCT NUMBER	FW-33
TYPE	The high-quality Polymer emulsion, based on the alkali and weather resistant and water-based pure acrylic resin.
USES	Used as anti-dust topcoat for the fire protection coating when used individually, can also be mixed into the fire protection coating and become the accelerator to increase the adhesion of the fire protection coating to the steelwork.
CHARACTERISTICS	<ol style="list-style-type: none">1. No danger of causing fire and public hazard due to the water-based raw material.2. Cost saving due to the use of water as thinner.3. High gloss, tough film, good appearance.4. Excellent water and alkali resistant properties, long-lasting gloss retention.5. Very good adhesion to the products of cement and plasters.6. When mixed with fire protection coating, can increase the adhesion between the fire protection coating and the surface of steelwork.
VISCOSITY	50~65 KU
APPLICATION METHOD	Spray, Brush, Roller
DRYING TIME (25 °C)	Set-to-touch Within 1/2 hr Dry hard Within 2 hrs
OPTIMUM FILM THICKNESS	Wet 80 microns Dry 25 microns
THEORETICAL COVERAGE	47.0 m ² /Gal, 12.5 m ² /L, 14.0 m ² /Kg
OVERCOATING INTERVALS	Min. 3 hrs
THINNER	Water
THINNING RATE	10~20%
VOLUME SOLIDS	Above 40%
STORAGE SHELF LIFE	Min. 1 year under normal storage condition
REMARK	<ol style="list-style-type: none">1. The actual coverage will change based on the size and shape of the product to be coated, and the working environment. General loss factor is: For brush application - theoretical coverage x 1.4 For spray application - theoretical coverage x 1.72. When used as accelerator, the ratio of adding into the fire protection coating should be 3 ~ 5% of the weight of the fire protection coating.
NOTE	<ol style="list-style-type: none">1. Before application, stir paint evenly, and when paint is too thick the tap water can be added within specified quantity.2. The moisture, grease, dirt, dust and other contaminants on applied surface must be cleaned thoroughly.3. Moisture and alkali will reduce film performance and adhesion; therefore, moisture content of newly constructed cement product should be under 12%. If not, the application has to wait for 2 or 3 weeks until the product is dried completely.

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