RAINBOW

WATER-BASED INTUMESCENT FIRE-RETARDANT CLEAR COATING

PRODUCT NUMBER	FW-30
TYPE	The water-based fire retardant coating based on nonflammable resin with special pigment and additives, which will be intumescent with the fire to form a fine foam layer. This foam layer can insulate substrates to contact with the fire, therefore consumedly cut down flammability of flammable substrates and retard the transmission of heat and the expansion of fire. When combined with appropriate primers and a weather-resistant topcoat, the system can also be used for exterior applications.
USES	Used for wood furniture,-interior decoration and bamboo products(bamboo scaffolding). Any building materials or areas requiring fire protection.
CHARACTERISTICS	1. Very fast drying for recoating in a short time. 2. Use the water thinner without any pollution. 3. Inflated above several times when occurred the fire to rapidly reach the fireproof and fire-retardant effects. 4. Carbonized foam body can resist high temperature up to 1000℃.
FINISH	Flat
COLOR	White
SPECIFIC GRAVITY	1.35 ± 0.05 Kg/L
VISCOSITY	90 ± 10 KU (25 ℃)
DRYING TIME (25 ℃)	Set-to-touch 0.5 hr. Dry hard 2 hrs.
OPTIMUM FILM THICKNESS	Wet 205 micros Dry 110 micros （per coat）
SUGGESTION OF PAINT FILM	1.CNS 14705-1 class 3 ： above 386μ (min. 4 times) 2.BS476 Part 6 & Part 7 Class 1 ： above 327μ (min. 3 times) 3.ASTM E84 class A ： above 160μ (min. 2 times)
THEORETICAL COVERAGE	1.CNS 14705-1 class 3 ： 868 g/㎡ (5.7 ㎡/GAL) 2.BS476 Part 6 & Part 7 Class 1 ： 734 g/㎡ (6.9 ㎡/GAL) 3.ASTM E84 class A ： 150 ft^2/Gal (13.9 m^2/Gal)
OVERCOATING INTERVALS	Min. 8hrs.
VOLUME SOLIDS	Above 60%
THINNER	Water
THINNING RATE	Max. 10 %(by wt.)
SUBSEQUENT COATS	No.406FM Watwe-Based Top Coating or other sales suggestions.
FIREPROOF TEST	1. CNS 14705-1 class 3. 2. BS476 Part 6 & BS476 Part 7 Class 1. 3. ASTM E84 class A(UL File No. R13583).
STORAGE SHELF LIFE	Minimum 12 months under normal storage conditions.
APPLICATION METHOD	Spray or Brush.
NOTE	1. Before application, stir paint evenly. 2. Adhered moisture, grease, rust, dirt or loose paints film on substrate must be cleaned thoroughly. 3. Rough the smooth surface with sand papers and avoid applying the paint in humid exceed 85% RH or temperature low to 5℃. 4. The fireproof effect and dry film thickness of fire-etardant coating is in direct proportion, namely the thicker the dry film, the better the intumescent effect of paint film and the better the fireproof effect.

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