



RAINBOW

WATER-BASED INTUMESCENT FIRE-RETARDANT CLEAR COATING

PRODUCT NUMBER	FW-65
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.
USES	Used for interior wood furniture, buildings and interior decoration.
CHARACTERISTICS	1. Use the water thinner without any pollution. 2. Intumescent above several times when occurred the fire to rapidly reach the fireproof and fire-retardant effects. 3. Carbonized foam body can resist high temperature up to 1000°C °
FINISH	Gloss
COLOR	Clear
SPECIFIC GRAVITY	Hardener: 1.20±0.7 (25°C) Mixture: 1.24 ± 0.08 (25°C)
VISCOSITY	Hardener: 70 ± 15KU (25°C) Mixture: 70 ± 15KU (25°C)
DRYING TIME (25 °C)	24 hours for half dry, 7 days for fully cured
NUMBERS OF COATING	Min. 2 coats
FIRE RESISTANCE	1. CNS 14705-1 class 3
PERFORMANCE	2. BS476 Part 6 3. BS476 Part 7 Class 1
STANDARD OF FIRE TEST WITH THEORETICAL COVERAGE	1. CNS 14705 class 3 : 500 g/m ² 2. BS476 Part 6 : 755 g/m ² 3. BS476 Part 7 Class 1 : 755 g/m ²
MIXING RATIO	Base:Hardener= 55 : 45 (by wt.)
PRECEDING COATS	YWP-103 WATER-BASED WOOD BLOCKING SEALER YOP-700 WATERBORNE EXTERIOR WOOD BLOCKING PRIMER
SUBSEQUENT COATS	YFR-307
OVERCOATING INTERVALS	Min. 24 hrs
THINNER	Water
THINNING RATE	Max 10 % (by wt.)
VOLUME SOLIDS	Above 60%
STORAGE SHELF LIFE	Minimum 6 months under normal storage conditions
APPLICATION METHOD	Spray or Brush
CONSTRUCTIN NOTE	1. Before application, stir paint evenly, when paint is too thick, water can be added within specified quantity. 2. Adhered moisture, grease, rust, dirt or loose paints film on substrate must be cleaned thoroughly. Rough the smooth surface with sand paper. 3. Please keep in plastic container only. 4. When applying FW-65, please keep ventilation and wear a mask.
NOTE	1. The actual coverage of coating will vary depending on the structure of substrate and the operating environment. 2. The fireproof effect and dry film thickness of fire retardant coating is in direct proportion, namely the thicker of film thickness and the intumescent effect of paint film is better, the fireproof effect is better too. 3. Please spray the topcoat to increase water resistance. 4. To avoid sagging, please apply a few more coats to achieve the goal thickness.

EPDM389974X8 V1.3

YUNG CHI PAINT & VARNISH MFG. CO., LTD.

No.26, Yen Hai 3rd Road, Kaohsiung, Taiwan.
<http://www.rainbowpaint.com.tw>

TEL:886-7-8713181
FAX:886-7-8715443