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: Mixture: 1.28 ± 0.05 KG/L (25 °C)

VISCOITY: Mixture: 70 ± 10KU (25 °C)

DRYING TIME (25 °C): Set-to-touch 2 hours Dry hard 18 hours

NUMBERS OF COATING:

OPTIMUM FILM THICKNESS:

SUGGESTION OF PAINT FILM:

THEORETICAL COVERAGE:

MIXING RATIO:
Base:Hardener= 57.4 : 42.6 (by wt.)

PRECEDING COATS: No.710 POLYURETHANE SEALER FOR WOOD

SUBSEQUENT COATS: No.722 POLYURETHANE CLEAR COATING (N-TYPE)

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

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.
3. Mix base and hardener according to mixing ratio and stir thoroughly
4. Rough the smooth surface with sand paper and avoid applying the paint in humid exceed 85% RH or temperature low to 5 °C.
5. The fireproof effect and dry film thickness of fire retardant coating is in direct proportion, namely the dry film thickness is more thick and the intumescent effect of paint film is better, the fireproof effect is better too.
6. Before apply the topcoat that the FW-65 should be curing more than 3 days.