WATER-BASED INTUMESCENT MASTIC

PRODUCT NUMBER
FW-30M

TYPE
The water-based fire retardant coating based on nonflammable resin with special pigment and additives, which will be inflated with the fire or heat 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 to reach effects of fire retardant and cables protection.

USES
Used for the wires and cables.

CHARACTERISTICS
1. Very fast drying and without toxic smoke generating while burning.
2. High build fire retardant coating with high effective fireproof ability.
3. Carbonized foam body can resist high temperature up to 1000 °C.
4. No contents of asbestos and mineral asbestos.
5. No influence on the electric current capacities of cables.
6. PH value is between 7 and 9 without corrosion to the surface of cables.

FINISH
Flat

COLOR
Grayish white

SPECIFIC GRAVITY
Above 1.2 Kg/L

DRYING TIME
Set-to-touch 2 hrs. Dry hard 24~48 hrs. (25 °C)

OPTIMUM FILM THICKNESS
Wet 500 microns Dry 270 microns (per coat)

OVERCOATING INTERVALS
Min. 2 hrs.

NUMBERS OF COATING
Min. 3 times

SUGGESTION OF PAINT FILM
Above 800 microns (DFT)

THEORETICAL COVERAGE
1.92 Kg/m² (2.5 m²/Gal)

VOLUME SOLIDS
Above 50%

THINNER
Water

THINNER RATE
Below 5%

NON-VOLATILE CONTENT
Above 66%

STORAGE SHELF LIFE
Minimum 6 months under normal storage conditions.

FIREPROOF TEST
Meet IEEE 383 Part 2.5.4 Fire Test Facility and Procedure.

APPLICATION METHOD
Airless Spray, Brush

NOTE
1. Adhered moisture, grease, rust, dirt or loose paints film on substrate must be cleaned thoroughly.
2. The product is nonflammable and not poisonous, if contacted with human body or skin that must wash cleanly with water.
3. Avoid applying the paint in humid exceed 85% RH or temperature low to 5 °C.