

FIRE KEEPER (MATTE)

Flame-resistant water-based clear DFW-100F



FIRE KEEPER (MATTE) flame-resistant water-based clear DFW-100F product is made mainly of a water-based acrylic emulsion resin and used by being diluted in water, having less odor during painting. It is a special functional interior paint that is applied on flammable basis materials such as plywood, wood, etc. and has an effect of preventing or delaying combustion at the onset of a fire.

Usage

Inside buildings veneer, medium density fiberboard (MDF), and wood that require a flame retardant function
Flame retardant treatment for veneer and wood in special areas designated by Presidential Decree.

Specification

Paint type	Water-based acrylic resin			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch		30 minutes	
	Dry-through		2 hours	
	Time required for re-coating (min.)		2 hours	
Thinner	Tap water(dilution rate: up to 20%, volume ratio)	Coating Method	Brush, roller, spray coating.	
Specific gravity	Approx. 1.1	Type approval No.	YUM 16-9	
Theoretical Coverage	5.0 m ² /ℓ	Solid volume ratio	40±1 %	
Re-coating interval	20°C, sufficient ventilation for a minimum of 2 hours	Thickness of dried film	80μm (3~4 coats recommended)	
Gloss	Matte	Color	Transparent	
Storage and preservation	12 months (well-ventilated dry, cold and dark location, room temperature 5°C~30°C, humidity less than 80%)			

Product Properties (Physical Property Data)

Flame-resistant performance	As the flame-resistant treatment area is large, flame-resistant performance and workability are excellent.
Environmental impact	It is a water-based product not containing harmful heavy metals and having less content of organic solvents.

How to Use

Surface treatment	<ol style="list-style-type: none">1. Completely remove rust, oil, water and other contaminants from the surface of the substrate.2. For undercoating, use the designated primer, FIRE KEEPER WATER-BASED LACQUER SANDING SEALER or GREEN LACQUER SANDING SEALER if necessary.
Coating Method	<ol style="list-style-type: none">1. Sufficiently stir before use.2. Apply 3 times or more after sufficiently stirring by adding tap water up to 20% depending on the coating equipment.3. Upon re-coating following the primary coating, apply after completely drying for at least 2 hours at 25°C.4. The amount of dough (D,F,T) should be 80μm (0.080mm) or more.