

# FIRE KEEPER (MATTE)



## Flame-resistant water-based white DFW-200F

\* This product can be used inside multi-use facilities and 100-500 unit apartment houses under The Indoor Air Quality Control Act.

**FIRE KEEPER (MATTE) flame-resistant water-based white DFW-200F is a water-based flame-resistant paint designed to be applied on flammable materials such as plywood, wood, MDF, etc. and to exhibit a strong flame-resistant performance even at low film thickness. This product is a special highly functional flame-resistant paint that forms a nonflammable insulation layer when the dry film expands in case of a fire and prevents or delays carbonization of flammable materials such as wood.**

### 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	Special water-based emulsion resin			
Drying time	Category	5°C	20°C	30°C
	Dry-through	2 hours	1 hour	40 minutes
	Time required for re-coating (min.)	4 hours	2 hours	90 minutes
Thinner	Tap water(dilution rate: up to 25%, volume ratio)	Coating Method	Brush, roller, spray coating.	
Specific gravity	Approx. 1.3	Type approval No.	YUM 04-16	
Theoretical Coverage	6.0 m <sup>2</sup> /l	Solid volume ratio	50±1 %	
Re-coating interval	20°C, sufficient ventilation for a minimum of 2 hours	Thickness of dried film	83μm (2~3 coats recommended)	
Gloss	Matte	Color	White	
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.
Professionalism	Flame-resistant paint is recognized as flame retardant treatment only when applied by a registered fire retardant treatment business among firefighting facilities businesses.

### How to Use

Surface treatment	<ol style="list-style-type: none"><li>1. Completely remove oil, moisture and foreign substances from the surface.</li><li>2. For undercoating, use the designated primer, FIRE KEEPER WATER-BASED LACQUER SURFACER or GREEN LACQUER SURFACER if necessary.</li></ol>
Coating Method	<ol style="list-style-type: none"><li>1. Sufficiently stir before use.</li><li>2. When painting brushes or rollers, add coating 100 with a constant water value of 20 or less, when painting spray, add coating 100 at a rate not more than 25 designated thinners, after applying sufficiently stir, paint at least three times.</li><li>3. Upon re-coating following the primary coating, apply after completely drying for at least 2 hours at 25°C.</li><li>4. The amount of dough (D,F,T) should be 83μm (0.083mm) or more.</li></ol>

