

TERM-001

Transparent water-based fire-retardant and bioprotective coating for wood

1. Product description

TERM-001 is a water-based fire-retardant and bioprotective coating for wood for interior use. When exposed to fire, TERM-001 forms a non-combustible char foam that prevents the wood from igniting.

2. Field of application

Reduces the flammability of softwood and hardwood and of wood-based products such as plywood, particleboard, fibreboard and hardboard, including laminated (faced) boards 12 mm thick or more. In a fire it insulates the substrate from heat, prevents flame spread and reduces smoke density and the temperature of combustion products. Provides Group I fire-retardant efficiency for timber structures.

- water-based coating system
- transparent glaze that preserves the wood texture
- low material consumption
- adds no extra static load to the structure
- gives timber structures antiseptic properties
- easy application

3. Material properties

Colour	Transparent (other glaze tints on request)
Consumption	0.50 kg/m ² for Group I fire-retardant efficiency (excluding losses), applied in 2 coats
Density	~1.220 g/cm ³
Shelf life	12 months from the date of delivery in the unopened original packaging in a cool, dry room. The expiry date is shown on the label. Protect from frost!
Storage conditions	In a dry room at +5 °C to +40 °C, in tightly closed containers, protected from moisture and direct sunlight.
Packaging	TERM-001 (canister): 10 kg net

4. Technical characteristics

Surface preparation	The surface must be dry and free of dust, oil, wax, grease and any substances that impair adhesion. Old coatings must be removed. Greasy, resinous surfaces: clean with solvents or with a brush and an aqueous solution containing 5% household soap and 5% ammonium hydroxide solution, then rinse with clean water (saponification of greasy, resinous matter). Allow to dry slightly after cleaning. Wood substrates with poor wettability should be roughened with sandpaper over the entire surface.
Material preparation	Sweep the dust off the lid so that it does not get into the coating when the lid is removed. Mix thoroughly; the coating must be free of lumps and uniform in colour and texture.

Application temperature	Not below +5 °C and not above +40 °C.		
Relative humidity	30–80% during application and drying.		
Application method	Brush, roller, air or airless spray. Airless spray: nozzle diameter 0.28–0.53 mm, pump ratio at least 23:1.		
Pot life	Approx. 4 h at +20 °C.		
Tool cleaning	Warm water.		
Thinning	Not required.		
Drying before the next coat	+10 °C	+20 °C	+40 °C
	24 h	12 h	30 min

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