

TEKNOSAFE FLAME PROTECT 2408-00

Fire-retardant topcoat

TEKNOSAFE FLAME PROTECT 2408-00 is a water-borne fire-retardant topcoat for weathered solid wood cladding.



Substrate: Solid Spruce or glulam spruce boards from 19-57 mm thickness when taken in conjunction with the relevant fire classification report.

Used as an industrial fire-retardant topcoat as part of a system called Teknos FR Façade with TEKNOSAFE 2407-00 to improve "reaction to fire" (EN 13501-1) of weathered wooden surfaces - see <https://www.teknos.com/products/teknosafe-flame-protect-2408-00/>.

Before using the product, Teknos should be contacted to check the suitability of the product for the object in question.

Fire-retardant performance has been classified B-s1, d0 / B-s2, d0 according to EN 13501-1 (SBI test) as part of the Teknos FR Façade system. Durability classes of reaction to fire performance of fire-retardant wooden façade product treated with Teknos FR Façade opaque in end use applications according to EN16755 DRF class EXT. Teknos FR Façade opaque holds classification according to SP Fire105 and fire resistance K₁10 and K₂10.



TECHNICAL DATA

Fields of application	Cladding boards
Recommended substrate	Softwood, Glulam
Solids	Approx. 37% by volume Approx. 45% by weight
Volatile organic compound (VOC)	Approx. 1 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.
Theoretical spreading rate	The classification is made with ≥ 350 g/m ² TEKNOSAFE 2407-00 with or without ≤ 150 g/m ² TEKNOSAFE FLAME PROTECT 2408-00.
Colours	Base 1 and Base 3 (all opaque colours). All tinting recipes are developed by TEKNOS Shade service.
Tinting system	Teknocolor
Gloss (60°)	Matt
Thinner	Water.
Density	Approx. 1.1-1.2 g/ml
Storage	The best storage temperature is +10°C - +25°C. Must not freeze.

Packaging Available in a range of standard pack sizes.

DIRECTION FOR USE

Surface preparation The wood must be free from wood dust and contamination. The moisture content of the wood should be approx. 10% and should not exceed 12%.

Application method Airless spraying, Air-assisted airless spraying
Apply industrially.

Application	Nozzle	Pressure	Air support
	Airless flat 0.28 mm	120-150 bar	
	Air-assisted airless flat 0.28 mm	80-100 bar	1.0-1.5 bar

Application conditions The temperature of the air, the surface and the paint shall be above +10°C and the relative humidity of the air below 80% during the time of application and drying. The best result is achieved when the temperature of the air is between +23°C and +38°C, the relative humidity of the air is 50-70% and the ventilation good.

Stir the paint thoroughly before use, preferably using mechanical stirring.

For all coated solid wood or wood-based panels, a non-marking protective layer of minimum 1.5 mm thickness (e.g., polyethylene film) is recommended to be used between coated surfaces.

Drying time	+23°C / 50% RH
- dry to handle	2-3 h
- through dry	Min. 4 h

Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.
When using accelerated drying ask for the instructions from the manufacturer.

Cleaning Water.

HEALTH AND SAFETY

Safety and precaution measures See safety data sheet.

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