

# 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 K<sub>1</sub>10 and K<sub>2</sub>10.



## TECHNICAL DATA

<b>Fields of application</b>	Cladding boards
<b>Recommended substrate</b>	Softwood, Glulam
<b>Solids</b>	Approx. 37% by volume Approx. 45% by weight
<b>Volatile organic compound (VOC)</b>	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.
<b>Theoretical spreading rate</b>	The classification is made with $\geq 350$ g/m <sup>2</sup> TEKNOSAFE 2407-00 with or without $\leq 150$ g/m <sup>2</sup> TEKNOSAFE FLAME PROTECT 2408-00.
<b>Colours</b>	Base 1 or Base 3 (all opaque colours). All tinting recipes are developed by Teknos Shade service.
<b>Tinting system</b>	Teknocolor
<b>Gloss (60°)</b>	Matt
<b>Thinner</b>	Water.
<b>Density</b>	Approx. 1.1-1.2 g/ml
<b>Storage</b>	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 not exceed 18%.

**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.

After on-site cutting the specified loading rate must be re-instated.

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.

<b>Drying time</b>	+23°C / 50% RH
<b>- dry to handle</b>	2-3 h
<b>- through dry</b>	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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