

TEKNOSAFE 2407-00

Intumescent primer

TEKNOSAFE 2407-00 is a water-borne intumescent primer for weathered wooden façades.



Substrate: Nordic Spruce solid wood boards with thickness 19–57 mm and density $500 \pm 100 \text{ kg/m}^3$.

Used as an industrial primer as part of a system called Teknos FR Façade to improve reaction to fire performance (EN 13501-1) of weathered wooden facades. Before using the product, Teknos should be contacted to check the suitability of the product for the object in question.

Fire retardant properties have been classified B-s1, d0 / B-s2, d0 according to EN 13501-1 (SBI test) in certain systems - see <https://www.teknos.com/products/teknosafe-2407-00/>.

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_{1,10} and K_{2,10}.



TECHNICAL DATA

Fields of application	Cladding boards, Panels
Recommended substrate	Wood
Solids	Approx. 43% by volume Approx. 55% by weight
Volatile organic compound (VOC)	Approx. 0 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 core classification is made with $\geq 350 \text{ g/m}^2$ TEKNOSAFE 2407-00.
Colours	Base 1 (opaque colours). All tinting recipes are developed by Teknos Shade service.
Tinting system	Teknolor
Gloss (60°)	Matt
Thinner	Water.
Density	Approx. 1.26 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 not exceed 18%.
All softwood and non-durable hardwood for exterior use should be treated with
TEKNOL AQUA 1410-01 wood preservative.

Application method Airless spraying, Air-assisted airless spraying, Vacumat

Application	Nozzle	Pressure	Air support	Spray gun filter
	Airless flat 0.33 mm	100-150 bar		min. 150 µm
	Air-assisted airless flat 0.33 mm	80-120 bar	1.0-1.5 bar	min. 150 µm

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.

Drying time +23°C / 50% RH

- touch dry 20-30 min.

- overcoatable After at least 12 h. TEKNOSAFE 2407-00 must be through-dry before application of the topcoat.

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.

Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091

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