
TYPE	TEKNOSAFE 2407-00 is a water borne intumescent primer for weathered wooden facades.
USE	Used as an industrial primer to improve reaction to fire (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.
SPECIAL PROPERTIES	Fire retardant properties have been classified B-s1, d0 according to EN 13501-1 (SBI test) in certain systems – see Additional Information. Durability classes of reaction to fire performance of fire-retardant wooden facade product in end use applications according to NT Fire 053 and 054 DRF class EXT. Teknos FR Façade opaque holds classification according to SP Fire 105 and fire resistance K ₁ 10 and K ₂ 10.

TECHNICAL DATA

Density	Approx. 1.26 g/ml
Solids	43 ±2% by volume 55 ±2% by weight
Volatile organic compound (VOC)	See Safety Data Sheet.
Substrate	Nordic Spruce solid wood boards with thickness 19–57 mm and density 500 ±100 kg/m ³ .
Classified treatment systems	To stay within the classifications obtained the treatment systems must be: - Opaque: TEKNOL AQUA 1410-01 TEKNOSAFE 2407 NORDICA EKO 3330-03 - Opaque: TEKNOSAFE 2407-00 NORDICA EKO 3330-03 See Additional Information for further details.
Theoretical spreading rate	The classification is made with: Planed spruce panel interior: ≥ 250 g/m ² Planed spruce panel exterior: ≥ 350 g/m ² Fine sawn spruce panel exterior: ≥ 350 g/m ²
Drying time +23°C/50% RH	
- touch dry	After 20–30 min.
- overcoatable	After at least 12 hours. 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.
Thinner, clean up	Water
Finish	Matt
Colours	White

Storage	Must not freeze. The best storage temperature is between +10°C and +25°C.														
HEALTH AND SAFETY	See Safety Data Sheet.														
DIRECTION FOR USE															
Surface preparation	The surface must be clean and dry. The moisture content of the wood should be below 18%. All softwood and non-durable hardwood for exterior use should be treated with TEKNOL AQUA 1410-01 wood preservative.														
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.														
Application	Stir the paint thoroughly before use. Apply industrially by spray or in vacumat. Apply by airless or airmix spray: Airless spray nozzle (flat) 0.33 mm, pressure 100–150 bar. Spray gun filter of min. 150 µm. Airmix spray nozzle (flat) 0.33 mm, pressure 80–120 bar and air support 1–1.5 bar. Spray gun filter of min. 150 µm. After the priming top coating is performed with NORDICA EKO 3330-03.														
ADDITIONAL INFORMATION	Teknos FR Facade currently holds B-s1, d0 classification for the following types of wooden façade and panel systems: <table border="0" style="margin-left: 20px;"> <tr> <td>- Opaque TEKNOSAFE 2407-00</td> <td>≥ 350 g m²</td> </tr> <tr> <td>NORDICA EKO 3330-03</td> <td>≤ 150 g m²</td> </tr> <tr> <td>- Opaque TEKNOL AQUA 1410-01</td> <td>110 g m²</td> </tr> <tr> <td>TEKNOSAFE 2407</td> <td>≥ 350 g m²</td> </tr> <tr> <td>NORDICA EKO 3330-03</td> <td>≤ 150 g m²</td> </tr> <tr> <td>- Opaque TEKNOSAFE 2407</td> <td>≥ 250 g m²</td> </tr> <tr> <td>TEKNOS water borne acrylic topcoat</td> <td>≤ 60 g m²</td> </tr> </table> <p>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.</p>	- Opaque TEKNOSAFE 2407-00	≥ 350 g m ²	NORDICA EKO 3330-03	≤ 150 g m ²	- Opaque TEKNOL AQUA 1410-01	110 g m ²	TEKNOSAFE 2407	≥ 350 g m ²	NORDICA EKO 3330-03	≤ 150 g m ²	- Opaque TEKNOSAFE 2407	≥ 250 g m ²	TEKNOS water borne acrylic topcoat	≤ 60 g m ²
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The above information is normative and based on laboratory tests and practical experiences. The information is noncommittal, and we cannot accept liability for the results obtained under working conditions beyond our control, and consequently the buyer or the user is not released from the obligation to test the suitability of our products for specific means and application methods under the actual application conditions. Our liability covers only damage caused directly by defects in the products supplied by Teknos. The latest versions of Teknos' Technical Data Sheets and Safety Data Sheets are available from our homepage www.teknos.com.
