

TEKNOSHIELD 4005-00

Water-borne product for cladding, windows and doors.

TEKNOSHIELD 4005-00 is a water-borne, translucent product designed for cladding, windows, and doors. The natural, aged look such as greying can be achieved in various color shades.

TEKNOSHIELD 4005-00 enhances the natural appearance of wood without altering its texture or grain.

The product enhances durability and protects the surface while the natural ageing of weathered wood is visible. It will not change the natural performance of hardwoods where tannins will discolor.

TEKNOSHIELD 4005-00 is suitable for industrial applications of both softwood and hardwood.

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



TECHNICAL DATA

Fields of application	Doors, Windows, Cladding boards
Recommended substrate	Softwood, Hardwood
Solids	Approx. 10% by volume
Volatile organic compound (VOC)	Approx. 16 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	15-25 m ² /l May vary according to wood quality and application method.
Colours	Translucent.
Tinting system	Teknocolour; Teknoshade
Thinner	The product is delivered ready for use.
Storage	Storage temperature is +5°C - +30°C. Shelf life in unopened containers: See "Best before date" on the label. Keep containers tightly closed after use. Must not freeze.
Packaging	Available in a range of standard pack sizes.

DIRECTION FOR USE

Surface preparation	The surface to be treated must be dry, clean, and free from dust. The moisture content of the wood is to be below 20%. Pretreatment is required for wood substrates not meeting Durability Class 3, EN 350:2016. Teknos has a range of preservative products meeting the requirements of EN 599-1, please contact Teknos for further guidance.
Application method	Brush machine, Dipping, Flow coating, Brush
Application conditions	Stir thoroughly before use. Optimum temperature for products and surroundings: +18°C - +22°C. Optimum relative air humidity: Approx. 50%. Film thickness: 40-70 g/m ² -> 40-70 µm wet.
Drying time	+20°C / 50% RH
- dry to handle	1-2 h
- fit for sanding and overcoating	2-3 h The drying time can be reduced using special drying systems to force drying. The drying times are approximate and may vary according to wood quality, temperatures, humidity, and ventilation.
Cleaning	Water.

HEALTH AND SAFETY

Safety and precaution measures See safety data sheet.

ADDITIONAL INFORMATION

Maintenance instructions Surfaces exposed to continuous weather and/or traffic strain are to be re-treated minimum once a year.

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