



NT DECO

PRODUCT TYPE	Water-based low-VOC fire retardant wood stain for interior/exterior use.
DESCRIPTION	<p>NT DECO is a fire retardant wood stain with excellent UV and weather resistance properties. Suitable for both indoor and outdoor use on panels, CLT etc, for fine cut, planed and sanded boards.</p> <p>NT DECO treated surfaces do not need post-processing with film-forming coatings.</p> <p>The product is intended for industrial use.</p>

TECHNICAL INFORMATION

Attributes:	<p>NT DECO gives the highest possible fire retardancy for wood (Euroclass B-s1,d0) together with a decorative semi-translucent or clear finish.</p> <p>NT DECO has excellent UV protection properties and is resistant to severe weathering.</p> <p>Improves woods natural resistance against moisture and pests (mold, rot, blue stain, fungi, mildew)</p> <p>Improves treated surfaces natural resistance against termites.</p>
Colors:	Range of tones is available on the website of manufacturer or by request from manufacturer/distributor.
Emission classification:	The product does not contain formaldehyde, halogens and carcinogenic or toxic substances.
Active agent:	The fire protection properties are ensured by a formulation of potassium derivates, binders, stain pigments and a range of proprietary additives.



Fire performance class: EuroClass B-s1,d0 (consumption 300-350 g/m²)

Actual consumption depends on the method of application and conditions, as well as the shape and absorption properties of the applied substrate.

Resistance to fire in normal conditions persists at least 10 years in exterior use. Interior fire retardancy remains as long as the surface is not exposed to mechanical damage.

Fire retardancy forms in 5-7 days after processing and requires full evaporation of the carrying agent (water).

Application methods: **NT DECO** is suited for both industrial (flow coating, Vacumat, Airmix-spray etc.) and manual (with a brush, spray, immersing, lint-free cloth etc.) treatment.

INSTRUCTIONS OF USE

Conditions of use: Treated substrate must be cleaned and free of dust, dirt and loose particles.

Ensure the following recommended conditions during the application and drying:

Product temperature	+15...+25° C
Air temperature	+15...+50° C
Relative humidity	40...65 %
Wood humidity	14...18 %

Application: Stir well before use. Once opened, ensure that the containers are re-closed firmly. If the container had been subject to repeated openings, check the suitability of the material for the intended purpose.

The surface must be covered 1-3 times to achieve total consumption of 350g/m², with no less than 2 hour intervals (or approx. 6min in 55C), depending on type of wood, air temperature, humidity level etc.

As the fire retardant wood stain is a transparent product, the various staining and surface treatment methods or different wood types may cause discoloration of stain tones compared to color charts. It is advised to test the stain tones before application on large surfaces.



Technical data sheet
NT DECO
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Drying time: Drying time after the final coat is 48 h at +20° C and average humidity of 40...70%.

Actual drying time depends on the temperature, humidity, type of wood, surface layer thickness and room ventilation.

Post-processing: **NT DECO** does not need lacquering or subsequent processing with film-forming coatings. In case of mechanical damage of treated surface (breaking of the coating film caused by an outside force) it is mandatory to carry out on-spot repairs with in accordance with the maintenance guidelines.

If the treated boards are sawn or cut the bared wood surface must be treated with **NT DECO**.

Cleaning of equipment: Water or weak solvent.

VOC: Very low.

SAFETY: Observe the Material Safety Data Sheet requirements. MSDS describes the potential risks necessary protective equipment.

For MSDS information please visit www.nordtreat.com or contact manufacturer or local distributor.

TECHNICAL SUPPORT

Nordtreat AS

**Technical support (mon-fri 08:00-16:00 GMT +2)
+358 (0)19 4252 188 - support@nordtreat.com**

The suitability of the material shall be inspected by the manufacturer with respect to his/her requirements regarding quality, color, and the like, e.g. by a sample staining and/or sample varnishing. The above information is based on our testing and experience. Furthermore, the information does not represent any warranty of any characteristics and thus does also not represent the contractually agreed nature of the product. Additionally, the information does not claim any completeness and it is given without any warranties.