

NORDTREAT FLAME RETARDANT



NT DECO

FLAME RETARDANT FOR
CERTIFIED FIRE PROTECTION OF
WOOD CLADDINGS, CLT AND MORE

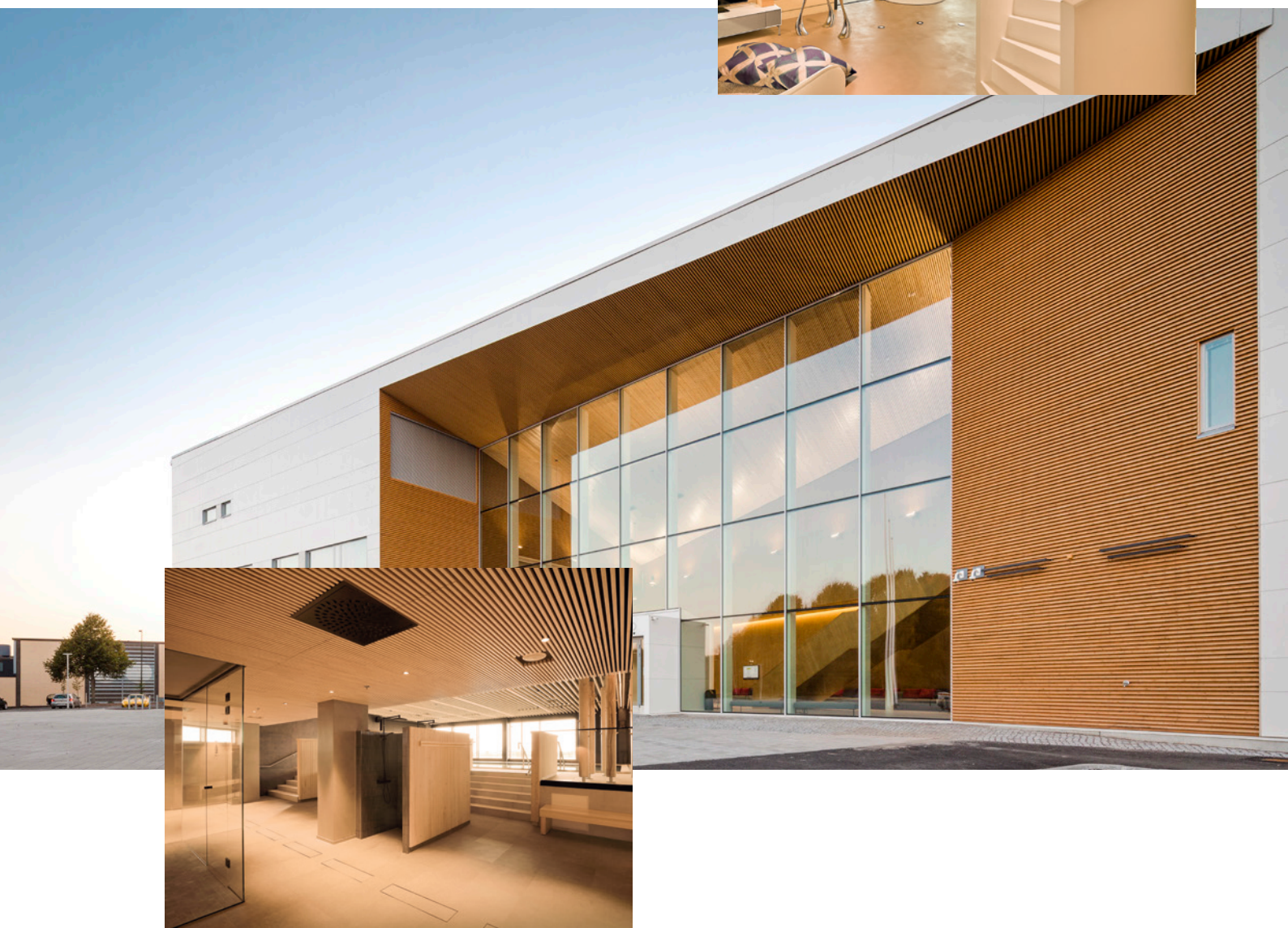
10/2022



NT[®]
NORD
TREAT

INNOVATIVE AND ECOLOGICAL FLAME RETARDANTS FOR WOOD

Nordtreat develops and produces certified, environmentally friendly flame retardants for wooden building products. All Nordtreat flame retardants are water-based, bio-based, and non-toxic products providing a durable and cost-efficient way to meet Euroclass B-s1, d0 reaction to fire performance (EN13501-1). Furthermore, the products are easy and safe to use in industrial treatment processes and on-site treatments.



SOLUTION FOR SAFE AND BEAUTIFUL WOOD SURFACES

NT DECO flame retardant is an ecological solution for professional fire protection of wood surfaces. It provides Euroclass B-s1, d0 compliant reaction to fire performance for a wide range of wood species.

The NT DECO flame retardant is a surface impregnation and a one-pot solution. No other products (primers or top coatings) are needed. The product absorbs into the wood material, providing excellent fire protection with weather and UV resistance.

KEY FEATURES

- Euroclass B-s1, d0 fire protection exterior and interior use
- A+/M1 emission classes
- Indoor Air Comfort -tested
- LEED certified
- BREEAM tested
- Bio-based and non-toxic product is not harmful to people or the environment
- Carbon handprint of the product is 2 kg CO₂e/m² (EN 15804+A2 & ISO 14025 / ISO 21930)
- Available in clear or translucent colours

The performance of NT DECO is documented in classification reports and certificates from accredited European test laboratories and authorities:

- FCBA classification report 20/ RC-07 Wood based panel and solid wood cladding
- FCBA classification report 20/ RC-26 Cross laminated timber
- MEKA classification report K 11/2020 Cross laminated timber
- MEKA-classification reports K05/2016, K21/2016, K21-1/2016, K01/2017, K22/2017, K36/2018, K25/2021 Solid wood panelling and cladding
- Kiwa certificates 9160-07 and 12093-02

STANDARDISED TESTS

Products treated with NT DECO can reach up to the highest reaction to fire class B-s1, d0 according to EN 13501-1.

NT DECO has been tested according to various European and International standardised test methods:

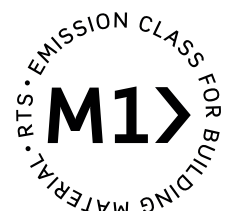
- EN 11925-2:2010
- EN 13823:2010
- EN ISO 1182
- CEN/TS 16516
- EN 16755
- EN 16733

SUITABLE FOR

- Wood claddings and panels
- Cross-laminated timber (CLT)
- Glue-laminated timber
- Log walls

PACKAGING OPTIONS

- 1000 litre IBC
- 10-200 litre drum
- 5-25 litre canister



TRANSLUCENT NT DECO COLOURS

NT DECO is a high performing flame retardant treatment for EXT, INT 1 and INT 2 wood products. The finish of NT DECO flame retardant treatment can be clear or translucent toned. This leaves the natural beauty of wood surfaces to be fully visible.

The product is available in a number of different translucent tones. The appearance of the tone may vary depending on the substrate treated.



The colours displayed here have been produced digitally. Digitally produced colours are no substitute for real colour samples. Please contact Nordtreat technical service for more information. Colour samples of NT DECO treated wood can be ordered on www.nordtreat.com.

Nordtreat promotes sustainable wood construction by developing and producing translucent, environmentally friendly flame retardants for wood products.

The innovative use of non-harmful chemical compounds and the thorough testing and certification of the products and processes form the core of Nordtreat's existence. The goal is to minimise the environmental impacts of flame retardant production and fire-protected wood constructions throughout their lifecycles without compromising fire protection performance.

Nordtreat's flame retardants are used by leading industrial wood products manufacturers and treaters around the world. Some of the world's largest wooden buildings feature wood products treated with Nordtreat flame retardant solutions.





**TRANSPARENT
BY NATURE**

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