

NORDTREAT FLAME RETARDANT



NORFLAM

FLAME RETARDANT FOR
CERTIFIED FIRE PROTECTION OF
WOOD-BASED PANELS IN INTERIOR
APPLICATION

10/2022



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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 INTERIORS

NORFLAM flame retardant system is an ecological solution for professional fire protection of interior wood surfaces. It provides Euroclass B-s1, d0 compliant reaction to fire performance for a wide range of wood species and product types.

The NORFLAM flame retardant system consists of a primer and top coating. The product is a surface impregnation. NORFLAM flame retardant system's primer and top coat must always be used together. The product absorbs into the wood material, providing excellent fire protection and wear resistance.

EN 13501-1 REACTION TO FIRE CLASSIFICATION

- Minimum wood density of 338kg/m³
- Wood thickness of 8 mm or thicker
- Mounting with or without air gap
- Vertical or horizontal mounting

SUITABLE FOR IN INTERIOR USE

- Plywood and wood-based panels according to EN 13986
- Interior wood wall and ceiling panels made of any wood specie

STANDARDISED TESTS

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

NORFLAM 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

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

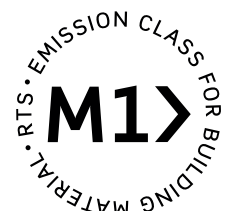
- FCBA classification report 21/RC-43 All wood products > 8 mm, > 338 kg/m³
- Kiwa certificate 13019-02 and 12890-2

KEY FEATURES

- Euroclass B-s1, d0 fire protection in interior use
- A+/M1 emission classes
- Indoor Air Comfort Gold® tested
- Bio-based and non-toxic product is not harmful to people or the environment
- Available in clear or translucent colours

PACKAGING OPTIONS

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



TRANSLUCENT NORFLAM COLOURS

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

The NORFLAM TT 01 top coat 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 Norflam treated wood can be ordered at info@nordtreat.com.

TREATMENT INSTRUCTIONS

NORFLAM 2-product system is suitable for industrial use in spraying lines (Airmix and airless) and brush painting lines. The industrial line should always have a drying system when using NORFLAM. For manual use with a high-pressure sprayer and paintbrush NORFLAM system is suitable only with certain exceptions.

To reach the certified Euroclass B-s1, d0 the wet spread amount of 200 g/m² of NORFLAM TP 01 and 150 g/m² of NORFLAM TT 01 is needed.

For more precise treatment instructions download the technical datasheet or contact Nordtreat's technical support.

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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