

TECHNICAL DATA SHEET

NORFLAM® W313

Version 2.0

22.12.2025

Description Water-borne flame retardant solution for exterior wooden surfaces.

Fire classification D-s1, d0

Recommended uses Exterior cladding

Industrial, on-site and off-site

Technical data

Weight solids 29 w-%

Density 1,12 g/cm³

Color tones Thermo shades and Nordic hues color collection

Application guidelines

| Wood species | g/m ² | m ² /liter | Layers/ side |
|------------------------------------|------------------|-----------------------|--------------|
| Exterior cladding, front side only | 150 | 7 | 1 |
| Exterior cladding, all sides | 250 | 2 | 2 |

Surface preparation

Wood to be cleaned and free of dust, dirt and loose particles. Planed surfaces need to be tested first due to limited absorption.

Application conditions

Product temperature 15-50°C

Air temperature 15-50°C

Relative humidity 20-60%

Wood moisture content 5-25%

Pre-use instructions

Sufficient mixing before use as well as during the use.

Recommended application methods Air-mix spray, airless-spray, brush line, flow coating, vacumat

Drying times

6-10 minutes (+55°C, 60% RH)

30-90 minutes (+18°C, 60% RH)

Final drying for 48 hours (+18°C, 60% RH)

Drying times are related to surrounding temperature and air humidity.

| | |
|---|---|
| Topcoats | No topcoats |
| Thinner | No thinning |
| Tips for optimal results | Check the final color on a smaller sample first. Treatment to be done during the same work day. |
| Cleaning of equipment | Water |
| Additional comments | If wood products are cut, the exposed areas must be treated with NORFLAM® W313. Use only stainless steel fixings when in contact with NORFLAM® W313 treated wood. |
| | Refer to application and maintenance guidelines for further information. |
| Health and safety | See safety data sheet |
| Volatile organic compounds (VOC) | 1,9 g/l |
| Environmental compliance | EPD, M1, A+, LEED, BREEAM |
| Storage | Store at temperatures from 5 degrees to 25 degrees and out of direct sunlight. Must not freeze. |
| | Shelf life is 3 months for tinted product and 12 months for clear product. The opened package has a more limited shelf life. |
| Waste | Product waste to be treated as hazardous waste. |

The suitability of the treatable 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 instructions and values in this technical data sheet are based on information obtained from laboratory tests and trials, as well as information obtained from actual applications. Nordtreat is responsible for ensuring that the quality of the product complies with Nordtreat's quality system. Furthermore, the information given does not represent any warranty of any characteristics and thus does not represent a contractual obligation regarding the product. Additionally, the information does not claim any completeness and it is given without any warranties.

Nordtreat is not liable for damages resulting from incorrect or improper use of the fire protection product. Nordtreat is also not responsible for fire protection treatment, as the conditions and methods of fire protection treatment vary. The prevailing conditions and methods related to fire protection must always be documented in accordance with the instructions of Nordtreat and the authorities.

NORFLAM® W313 is for professional use only. Nordtreat requires that the actual specialist using the fire protection product has received training for fire protection treatment from Nordtreat and that he is familiar with the documentation of the fire protection product: the treatment instructions, the technical data sheet and the safety data sheet.