

TECHNICAL DATA SHEET

Version 2.0

NORFLAM® W314

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

Fire classification B-s1, d0

Recommended uses Modified wood exterior cladding
TMT spruce, TMT pine

Industrial, on-site and off-site

Technical data

Weight solids 30 w-%

Density 1,21 g/cm³

Color tones Thermo shades color collection

Application guidelines

Wood species	g/m ²	m ² /liter	Layers/ side
Exterior cladding, front side and sides	350	2	3-4
Exterior cladding, back side	200		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
10-30 minutes (+55°C, 60% RH)
30-120 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
Thinners	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® W314. Use only stainless steel fixings when in contact with NORFLAM® W314 treated wood. Refer to application and maintenance guidelines for further information.
Health and safety	See safety data sheet
Volatile organic compounds (VOC)	1,6 g/l (very low)
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 6 months for clear product. The opened package has a more limited shelf life.
Waste	Dispose of contents/container to an approved waste disposal plant.

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.

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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® W314 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.

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