

TECHNICAL DATA SHEET

NORFLAM® W310 / NT Deco

Version 3.0

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

Fire classification Up to B-s1, d0

Recommended uses Cladding, panelling, CLT, wood-based panels

Spruce, douglas fir, cedar, larch cladding
 Spruce ribbons
 Spruce CLT
 Spruce glulam
 Pine glulam and pine logs

Industrial, on-site and off-site

Technical data

Weight solids 22 w-%

Density 1,15 g/cm³

Color tones Nordic hues color collection

Application guidelines

Wood species	g/m ²	m ² /liter	Layers/ side
Cladding, front side and sides	350	2	3-4
Cladding, back side	200		2
Spruce ribbons, all sides	350	-	3-4
CLT, front side	350	3	3-4
Spruce glulam, front side	350	3	3-4
Pine glulam and pine logs, front side	150	7	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	5-25 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® W310/NT Deco. Use only stainless steel fixings when in contact with NORFLAM® W310/NT Deco treated wood.
	Refer to application and maintenance guidelines for further information.
Health and safety	See safety data sheet
Volatile organic compounds (VOC)	2,5 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.

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NORFLAM® W310/NT Deco 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.