

TECHNICAL DATA SHEET
 NORFLAM® W101

Version 2.0

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Description Water-borne flame retardant solution for interior wooden surfaces

Fire classification Up to B-s1, d0

Recommended uses Spruce CLT
 Wood-based panels

Industrial, on-site and off-site

Technical data

Weight solids 55 w-%
 Density 1,4 g/cm³
 Color tones Clear

Application guidelines

Wood species	g/m ²	m ² /liter	Layers/ side
Spruce CLT	200	7	1
Wood-based panels, front side treated	150	9	1
Wood-based panels, all sides treated	150	4	1

Surface preparation Wood to be cleaned and free of dust, dirt, and loose particles. Sanding can improve absorption.

Application conditions Product temperature 5-50°C
 Air temperature 5-50°C
 Relative humidity of the air 20-60%
 Wood humidity 5-25%

Pre-use instructions Sufficient mixing before use as well as during use.

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

Drying times 10-15 minutes (+55°C, 60% RH)
 24 hr (+18°C, 60% RH)



	Drying times are related to the surrounding temperature and air humidity.
Topcoats	No topcoats
Thinners	No thinning
Cleaning of equipment	Water
Additional comments	If wood products are cut, the cut ends must be treated with NORFLAM® W101. Use only stainless steel fixings when in contact with NORFLAM® W101 treated wood. Refer to the application guidelines for further information.
Health and safety	See the safety data sheet
Volatile organic compounds (VOC)	0.71 g/litre (very low)
Environmental compliance	EPD, BREEAM, LEED, A+
Storage	Store at temperatures between 5 degrees to 30 degrees and out of direct sunlight. Must not freeze. Shelf life 12 months. The opened package has a more limited shelf life.
Waste	Product doesn't need 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® W101 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.