

WISA®-Spruce^{WR}

WISA-Spruce^{WR} is a lightweight water repellent plywood panel for structural uses. The wood-based water repellent coating agent protects the panel from the weather and adds efficiency to construction work. The wood-based agent creates a barrier slowing the rate of moisture penetration to the structure. At the same time, the surface allows the panel to breath and dry freely.

Bonding

Weather resistant glueing according to EN 314-2/class 3 Exterior. WISA-Spruce^{WR} fulfills the requirements of EN 13986 E1 low formaldehyde emission class. On request deliveries according to TSCA Title IV / CARB Phase II / JAS Four Stars.

Surface

Face veneer grades II and III (comply with standard EN 635-3).
Additional grade G (improved/solid grade II).

Machining

Edge machinings available on request.

Thicknesses and weights

Nominal thickness (mm)	Number of plies Thick ply	Thickness (mm)		Weight (kg/m ²) abt Thick ply
		Min	Max	
12	5	11.5	12.5	5.7
15	5	14.3	15.3	7.0
18	7	17.1	18.1	8.1
21	7	20.0	20.9	9.4

Sizes and thicknesses relating to moisture content 8 - 12 %.
Thicknesses and tolerances fulfil the EN 315 requirements.



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Panel sizes

Standard sizes

2400/2440/2500 x 1200/1220/1250 mm

Tongued and grooved 2400/2440 x 600/1200 mm

Other sizes on request.

Size tolerances	< 1000 mm	±1 mm
	1000 - 2000 mm	±2 mm
	> 2000 mm	±3 mm

Squareness tolerance ±1 mm / 1000 mm

Strength values and technical properties

WISA-Spruce^{WR} is CE marked according to AVCP System 2+ for structural use.

For all detailed technical values, please see product-specific DoP (Declaration of Performance) on www.wisaplywood.com/dop.

Storing instructions

Panels should be stored in a covered and dry place and to be kept flatwise.

Installation instructions

The panels can have dimensional changes due to changes in the air humidity. The square edge of the panel should have 1 mm/m expansion gap between panels. For more information on handling, please see Guide to Good Practice on www.wisaplywood.com.

Additional information

Wood being a living material, every panel is unique. Thus a photograph or a sample piece cannot represent all the panels, as regards colours, shades, graining, knots etc.

For further information of installation, maintenance, disposal, environmental matters etc. please see www.wisaplywood.com or contact your supplier or UPM.

