

# WISA®-Spruce Special

WISA-Spruce Special is a smooth, strong, structural multipurpose plywood panel with a superior surface quality. The panel is light in weight yet strong and rigid, typically used in load bearing structures. The refined look and smooth surface makes it suitable for other uses as well including shop fittings, joinery, furniture and DIY use. The panel is ideal for projects demanding outstanding environmental performance and consistent high quality.

## Bonding

Weather resistant glueing according to EN 314-2/class 3 Exterior. WISA-Spruce Special fulfills the requirements of EN 13986 E1 low formaldehyde emission class.

On request deliveries according to CARB Phase II/JAS Four Stars.

## Surface

**Face:** Grade G (solid surface with no open defects)

**Reverse:** Grade III (comply with standard EN 635-3)

## Machining

Edge machinings available on request.

## Thicknesses and weights

Nominal thickness (mm)	Number of plies	Thickness (mm)		Weight (kg/m <sup>2</sup> ) abt
		Min	Max	
9	3	8.8	9.5	4.1
12	5	11.5	12.5	5.5
15	5	14.3	15.3	6.8
18	7	17.1	18.1	8.6
21	7	20.0	20.9	9.7
24	9	22.9	23.7	11.0
27	9	25.2	26.8	12.0
30	–	28.1	29.9	–

Other thicknesses available on request.

Sizes and thicknesses relating to moisture content 8 - 10 %.

Thicknesses and tolerances fulfil the EN 315 requirements.





### Panel sizes

**Standard sizes**      Length from 2400 to 2500 mm  
                                  Length 2700 mm  
                                  Width from 1200 to 1250 mm  
                                  Tongued and grooved 2400/2440 x 600/1200 mm

**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 Special is CE marked according to AVCP System 2+.

Fulfils EN 1084, Class A and EN 13986, class E1

Plywood for use in humid conditions (EN 636-2)

Service class 2 (EN 1995-1-1)

Biological hazard class 2 (EN 335-3)

Reaction to fire class D-s2, d0 (EN13501-1)

For all detailed technical values, please see product-specific DoP (Declaration of Performance) on [www.wisaplywood.com/dop](http://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. Please leave 1 mm/m expansion gaps between panels in the installation. The boards can be worked with ordinary hand tools.

### Additional information

All WISA spruce plywoods are made of PEFC certified wood.

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](http://www.wisaplywood.com) or contact your supplier or UPM.

