

# WISA®-Birch

WISA-Birch is a multipurpose high quality product for various applications where excellent strength is essential. Its light, smooth and even surface offers an optimal base for different overlaying methods. Due to its superb properties, uncoated WISA birch plywood is widely used in the demanding vehicle, shipbuilding, construction and furniture industries.

## Product

WISA-Birch is manufactured from birch veneers glued together in a cross-banded construction.

## Bonding

Weather resistant gluing according to EN 314-2/class 3 Exterior.

WISA-Birch fulfills the requirements of EN 13986 E1 low formaldehyde emission class.

## Surface

Available surface qualities:

BB (III) and WG (IV)

All available surface qualities comply with the EN 635 standard (Plywood - Classification by surface appearance) and are in part stricter.

BB is for technical end uses where a sound surface appearance is required. WG is recommended for applications where the technical properties of birch plywood are needed but surface appearance is not of primary importance.

## Machining

Pre-cut panels and CNC machined components available on request.

## Panel sizes

Standard sizes

1000 x 2000/2500/3000 mm
1220/1250 x 2440/2500 mm
1500/1525 x 2500/3000/3050/3660 mm

Size tolerance (length/width) ± 1 mm/1000 mm

Squareness tolerance ± 1 mm/1000 mm





## Thicknesses and weights

Nominal thickness (mm)	Number of plies	Thickness (mm)		Weight (kg/m <sup>2</sup> ) abt
		Min	Max	
6.5	5	6.1	6.9	4.4
9	7	8.8	9.5	6.1
12	9	11.5	12.5	8.2
15	11	14.3	15.3	10.2
18	13	17.1	18.1	12.2
21	15	20.0	20.9	14.3
24	17	22.9	23.7	16.3
27	19	25.2	26.8	18.4
30	21	28.1	29.9	20.4

Maximum thickness 50 mm, ask for availability.

Sizes and thicknesses relating to moisture content 8–12%.

Thicknesses and tolerances fulfill the requirements of EN 315 (Plywood - Tolerances for dimensions) and are in part stricter.

Designed strength properties and thicknesses available on request.

For all detailed technical values, please see our DoP (Declaration of Performance) UPM007CPR on [www.wisaplywood.com/dop](http://www.wisaplywood.com/dop).

## Storage instructions

Panels should be stored horizontally on a level surface in a dry, covered area.

## Installation instructions

The panels can have dimensional changes due to changes in air humidity.

Please leave 1–2 mm/m expansion gaps between panels during installation.

WISA-Birch can be processed with ordinary wood working tools. Panels can be painted, varnished or lacquered.

## Environment

WISA products are manufactured in Europe according to the strictest sustainability principles. By choosing WISA, our customers can have the confidence that their plywood and veneer come only from legal sources and conform to all relevant standards and regulations, including the European Union Timber Regulation (EUTR).

UPM leads the integration of bio and forest industries into a sustainable future characterised by innovation, responsibility and resource efficiency.

## Additional information

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

For further information on installation, maintenance, disposal, environmental matters etc. please see [www.wisaplywood.com](http://www.wisaplywood.com) or contact your supplier or UPM.



UPM Plywood

[www.wisaplywood.com](http://www.wisaplywood.com)  
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UPM policy is one of continuous development. We reserve the right to amend specifications without notice or obligation.