

WISA[®]-Birch

WISA-Birch is a multipurpose product of high quality for various applications, e.g. in vehicles, shipbuilding, construction and furniture. Strong standard construction can be optimised even further by using strength oriented construction. Due to its light, smooth and even surface WISA-Birch offers also an optimal base for different overlaying methods.

Product

WISA-Birch plywood is manufactured of birch veneers. Veneer layers are glued together with weather resistant glue.

Surface type

Panels have clean sanded wooden surfaces.

Surface appearance

Available surface qualities S (II), BB(III) or WG(IV)

For detailed info see document about surface qualities.

S and BB are for end use where sound surface appearance is required.

WG is for end use where the technical properties of birch are needed.

Generally, panels have different appearance on each surface, eg. quality is defined S/WG.

Sizes (mm)

Panels are available in main standard sizes.

Size along surface grain direction: 1220, 1250, 1500, 1525 mm

Size cross surface grain direction: 2440, 2500, 3000, 3050 mm

Other sizes, tailor made pre-cut panels and cnc-machined components according to customer drawings at request.





Thickness and technical properties

Nominal thickness (mm)	Tolerance min - max (actual mm)	Weight about kg/m ²	Strength in bending fm II (N/mm ²) *	Modulus of elasticity Em II (N/mm ²)*
6.5	6.1 - 6.9	4.4	50.9	12 735
9	8.8 - 9.5	6.1	45.6	11 394
12	11.5 - 12.5	8.2	42.9	10 720
15	14.3 - 15.3	10.2	41.3	10 316
18	17.1 - 18.1	12.2	40.2	10 048
21	20.0 - 20.9	14.3	39.4	9 858
24	22.9 - 23.7	16.3	38.9	9 717
27	25.2 - 26.8	18.4	38.4	9 607
30	28.1 - 29.9	20.4	38.1	9 519

* 95% of panels have greater strength properties

Designed strength properties and thicknesses available at request

Using and warehousing

WISA-Birch can be processed with proper wood working tools.

Panels can be painted, varnish or lacquered.

WISA-Birch is good base for veneering and other overlaying methods.

Without any further treatment WISA-Birch is suitable for interior end uses where no direct moisture stress is existing.

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

Please leave 1-2 mm/m expansion gaps between panels in the installation.

The panels should always be stored on a flat and even base under a roof.

Environmental statement

WISA wood products are manufactured from wood raw material supplied according to the principles of sustainable forestry.

Additional information

WISA-Birch is approved and CE-labelled for construction end use (defined in EN 13986)

WISA-Birch fulfils the EN 13986 E1 emission class.

Gluing according to EN 314-2 class 3 exterior.

Other information see www.wisaplywood.com or mail to plywood@upm.com



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UPM policy is one of continuous development. We reserve the right to amend specifications without notice or obligation.