

WISA®-Duo

WISA-Duo is a multipurpose mixed construction product for various applications where excellent strength to weight ratio is needed. Birch veneers make the panel strong while spruce core veneers keep it light in weight. It has been developed to be used in applications that require strength but also lightness. The birch face veneer gives the panel a hard and even surface suitable for e.g. overlaying. Combined together the properties of both birch and spruce make WISA-Duo an excellent material for various end uses.

Base panel

Plywood made from birch and spruce veneers of which birch is always the visible face.

Bonding

Phenolic resin cross-bonded weather resistant gluing according to EN 314-2/class 3 Exterior.

Surface

Panels have clean sanded wooden surfaces.

Available surface qualities are S (II), BB (III) and WG (IV) according to EN 635-2, as well as WGE (improved WG) quality.

WG and WGE are for end uses where the technical properties of birch is needed, S and BB for end uses where a solid surface appearance is also required.

Panel sizes (mm)

The panels are available in all 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 are available on request.





Thicknesses and technical properties

Thickness (nominal mm)	Tolerance min-max (actual mm)	Weight approx kg/m ²	Strength in bending fm II (N/mm ²)*	Modulus of elasticity Em II (N/mm ²)*
9	8.8 – 9.5	5.0	34.9	9314
12	11.5 – 12.5	6.9	41.5	9675
15	14.3 - 15.3	8.4	28.3	7050
18	17.1 – 18.1	10.2	30.1	8016
21	20.0 – 20.9	11.8	26.1	6968

Detailed technical properties: Please see DoP (Declaration of Performance) UPM023CPR on www.wisaplywood.com/dop.

WISA-Duo is intended for use as a structural panel within the context of the Constructive Products Directive (CPD). It meets the requirement of EN13986 Wood Based Panels for use in Construction and is CE marked EN636-2 S accordingly.

Storing instructions

Store WISA-Duo panels in a dry, covered place away from direct sunshine. Panels should be stored horizontally on a level surface.

Installation instructions

WISA-Duo can be processed with ordinary woodworking tools. Panels can be painted or lacquered. WISA-Duo is a good base for veneering and other overlaying methods.

WISA-Duo, like plywood and wood in general, is a living material. When assembling, please remember to leave space for expansion, approximately 1–2 mm/m is needed.

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

Environment

WISA products are manufactured in Europe according to the strictest sustainability principles. By choosing WISA, our customers 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 characterized by innovation, responsibility and resource efficiency.

Additional information

As wood is 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, please see www.wisaplywood.com

