

DATA SHEET - PLYWOOD WITH ALUMINUM INSERT

It is a wood-based panel, produced on the basis of phenol-formaldehyde resin, intended for use in outdoor conditions (according to PN-EN 636), meeting the requirements of the 3rd class of bonding according to PN-EN 314-2, consisting of layers of wood glued together (outer and inner veneers), with the fibers of the adjacent layers most often running at right angles. An aluminum insert in the form of a 0.5 mm thick sheet is placed centrally inside the plywood, between the veneer layers.

Types of plywood depending on the type of bonding:

- weather-boil-proof - on the basis of phenol-formaldehyde resin, for use in exterior conditions (according to PN-EN 636), meeting the requirements of 3 gluing class quality according to PN-EN 314-2

Types of plywood depending on the type of wood

- Plywood with aluminum insert homogeneous:- bukowa
- birch
- pine
- deciduous plywood with aluminum insert (birch, alder)
- plywood with aluminum insert combi (deciduous and coniferous)

Types of plywood depending on type of surface:

- raw plywood with aluminum insert,
- plywood with aluminum insert, covered with natural veneer
- plywood with aluminum insert, covered with phenolic film
- plywood with aluminum insert, covered with melamine film
- plywood with aluminum insert covered with film for painting

Plywood quality classes according to the type of surface

- raw plywood with an aluminum insert and covered with natural veneer (acc. to EN 635-2 i 3): I, II, III, IV,
- plywood with an aluminum insert, covered with a phenolic film (acc. to ZN-2011 BZS-ST-2): I, II,
- plywood with an aluminum insert, covered with a melamine film (acc. to ZN-2011 BZS-SFM-1): I, II,
- plywood with an aluminum insert, covered with a film for painting (acc. to ZN-2011 BZS-SFE-1-1): I, II.

Thickness and tolerances

Plywood is produced in the thickness range from 5 to 40 mm. Thickness tolerances are defined in the standard EN 315.

Humidity

10±5% (according to EN 322).

Density

650 – 800 kg/m³ (according to EN 323).



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Standard formats

2130x1250mm or as agreed with the customer.

Length and width tolerance: $\pm 3,5$ mm (acc. to EN 315).

Edge straightness: $\pm 1,0$ mm/m of side length (acc. to EN 315).

Processing options:

Cutting into smaller formats; simple and profile processing of edges, drilling holes, milling grooves, grooves, rebates; machining on CNC machining centers.

Application

Openings for door production as external cladding or door panel.

