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WISA[®]-ROOF

WISA-Roof is an easy to install spruce plywood with special construction for loadbearing roofing substructures.

Base board

Spruce plywood with special veneer construction designed for roofing.

Bonding

Weather resistant glueing in accordance with EN 314-2/class 3 Exterior.

Surface

Surface quality is unsanded grade III as listed in the Handbook of Finnish Plywood. Yellow anti-mould agent is applied to both surfaces.

Machining

Tongued and grooved on long edges.

Thicknesses and weights

Panel thickness, mm	16 ±0.5 mm	18 ±0.5 mm	20 ±0.5 mm
Weight, kg/m ²	7.4	8.3	9.2

Sizes and thicknesses relate to a moisture content of 8 - 10 %.
Thicknesses and tolerances fulfil the requirements of EN 315.

Panel sizes

2700/2400 x 1200/600 mm

Size tolerances in accordance with the Handbook of Finnish Plywood.

Installation instructions

The installation of WISA-Roof should be planned in advance. The installation of the panels should begin from the eaves either with full or half size panels. The long edges are installed perpendicular to the supports with the grooves facing downwards. The tongued and grooved joints do not need any supports underneath. However, a gap about 1 mm should be left between those joints to allow for moisture movement. The shorter edges of the panels must be supported. The gap between the short edges of the panels should be about 3 mm. The joints of the panels must be staggered.

Lightly fix the panels to hold them in place during construction of the roof. Finally the entire roof deck is nailed in one go. Galvanized ring lock nails, spiral nails or screws, length 45-55 mm, are used for fixing. The distance between the nails at the panel ends and on the eaves is 100...150 mm and in the middle of the panel and the roof 200...300 mm. The permitted cantilever is about 50 % of the span.



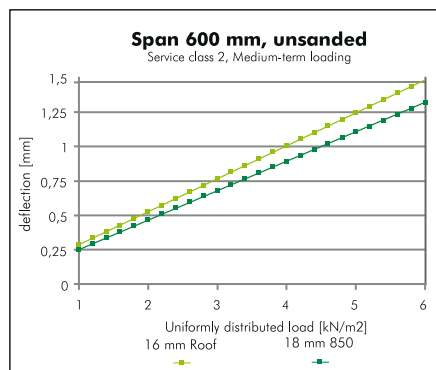
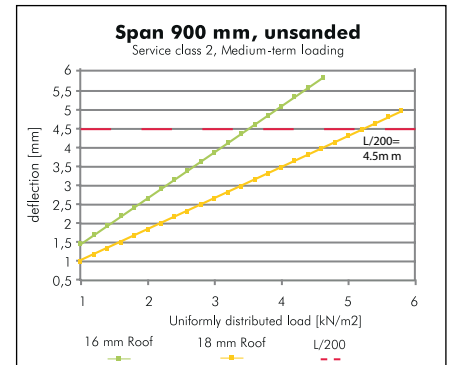
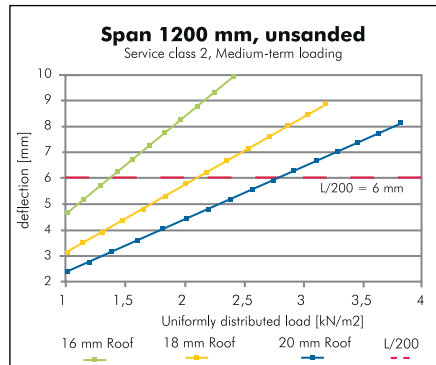


WISA-Roof advantages

Compared to traditional tongue and groove boarding, WISA-Roof plywood provides the following benefits:

- Substantial saving in working time and therefore cost of labour
- Less nailing; quick and easy to install
- Plywood sheeting stiffens the construction.
- Unsanded surface gives better friction properties than sanded whilst installing the roofing.
- The even coating on the base increases the durability of the roofing and the substructure does not show through the roofing.
- Speed of installation means no extra protection is needed during normal working conditions.
- Delivery in neat packages. Easier to store on site.

Deflections



Storing instructions

Panels should be stored in a covered and dry place and to be kept flatwise.

Additional information

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.

Product type (EN 636)

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 (EN 13501)

Fulfils EN 1084 / class A (=E1)

For further information of installation, maintenance, disposal, environmental matters etc. please see www.wisa.com or contact your supplier or UPM.



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