

# WISA<sup>®</sup>-Roof

WISA-Roof is a spruce plywood with special construction designed for roofing. The panels are treated with wood protective agent on both sides in controlled factory conditions. The treatment gives a good protection against wood colouring and decaying fungi during the construction and works as a primer. Unsanded surface gives good friction properties and improves safety whilst installing the roofing. Plywood sheeting stiffens the construction and the durability of the roofing increases with the even coating base. This easy to install panel saves time and money - the most valuable inputs you have.

## Base board

Spruce plywood with special veneer construction designed for roofing.

## Bonding

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

## Surface

Surface quality is unsanded III according to the standard EN 635-3. Both surfaces are treated with yellow or black wood protecting agent belonging to biocidal class PT 8 (wood preservatives). This gives a good protection during construction work. The panel should be painted with suitable paint on those parts which are left visible in exterior use.

## Machining

Tongue and groove on long edges.

## Thicknesses and weights

Panel thickness, mm	16 +/-6 Ply	18 +/-7 Ply
Weight, kg/m <sup>2</sup>	7.4	8.3

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

## Panel sizes

2400 x 1200/600 mm

Size tolerances +/- 1 mm/1000 mm.

## Strength values and technical properties

WISA-Roof is CE marked according to AVCP System 2+

Fulfills EN 1084, Class A and EN 13986, class E1

Plywood for use in humid conditions (EN 636-2)

Biological use class 2 (EN 335)

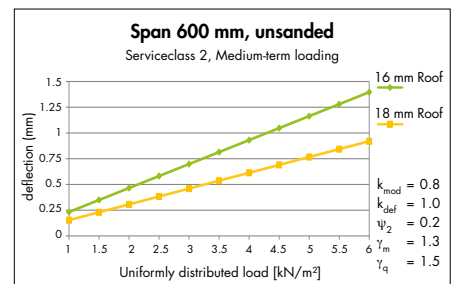
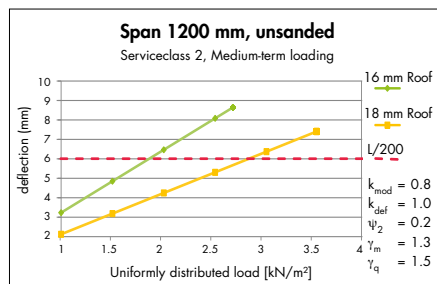
Reaction to fire class D-s2, d0 (EN13501-1)

For all detailed technical values, please see DoP (Declaration of Performance) UPM004CPR on [www.wisaplywood.com/dop](http://www.wisaplywood.com/dop).





## Deflections under uniformly distributed load



### Storing instructions

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

### 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 assembly of the roofing panels. Finally the entire roof deck is nailed in one go. Galvanized ring shank nails, spiral nails or screws, length 45–55 mm, are recommended for fixing. A maximum spacing of nails along the edges of the panels of 150 mm. Elsewhere the maximum spacing should be 300 mm. The design and minimum spacing must comply with Eurocode 5.

### 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. A photograph or a sample piece cannot represent all the panels regarding colours, shades, graining, knots etc.

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

