



MAAD PLW RailFloor PH/HL3



Description

Birch plywood with a phenolic layers.

Application



TECHNICAL PARAMETERS

FIRE PERFORMANCE:	EN 45545-2:2013+A1:2015 EN 13986	fulfilled the recommendations R10 – HL1, HL2, HL 3 fulfilled the recommendations D-s2, d0 / – s1
SOUND INSULATION:	EN 13986	23dB
SOUND ABSORPTION:	EN 13986	in the range 250 to 500Hz - 0.10 in the range 1000 to 2000Hz - 0.30
DENSITY	EN ISO 845	650 - 750 kg/m ³
MOISTURE CONTENT	-	5 – 10%
HARDNESS	-	20 MPa
THERMAL CONDUCTIVITY λ	EN 13986	0,17 W/(m*K)
GRADE CLASSES	-	B/BB
BIOLOGICAL RESISTANCE *, DANGER CLASS	-	5fDa, St
GLUING CLASSES	EN 314 BS 1203 DIN 68705 - 3	3rd Class H4 (previously WBP) Type BFU 100
FORMALDEHYDE EMISSION	EN ISO 12460-3:2016-3 EN 13986 test method according to EN 717-2	0,01 mg/m ² h fulfilled the recommendations of the class E1
MEDICAL HARMLESSNESS	correspond with EN 13986	fulfilled of the class E1

* Maad PLW RailFloor biological durability assessment guidance is described by ENV 1099. This guidance indicates that Maad PLW RailFloor biological durability assessment may be made in accordance with EN 350-2. In accordance with EN 350-2 *Betula pubescens* Ehrh., *Betula pendula* Roth birch wood biological durability shall be as follows:

- (1) stability against fungi influence – 5 Class of stability;
- (2) stability against *Hylotrupes bajulus*, *Anobium punctatum*, *Luctus brunneus* and *Hesperophanes cinnereus* bugs – S Class susceptible;
- (3) stability against termites – S Class susceptible. S.

STANDARD DIMENSIONS OF THE MATERIAL

THICKNESS [mm]	DIMENSIONS OF THE SHEET ** [mm]
6,5 - 35	1250x2500, 1500x2500

There is a possibility of cutting to size in accordance with your specifications or drawing.

** Other thicknesses / dimensions available on customer's request. Effective dimensions guaranteed as ordered.

DIMENSIONAL TOLERANCES

THICKNESS [mm]	THICKNESS TOLERANCE
>10 ... ≤ 16	± 1,0 mm
>16 ... ≤ 20	± 1,8 mm
>20 ... ≤ 25	± 2,0 mm
>25 ... ≤ 30	± 2,2 mm
>30 ... ≤ 40	± 2,6 mm

ADDITIONAL TECHNICAL PARAMETERS

ULTIMATE STRENGTH IN STATIC BENDING ALONG THE OUTER LAYER GRAIN	-	≥ 25 MPa
ULTIMATE STRENGTH IN TENSION ALONG THE GRAIN	-	≥ 30 MPa
ELASTICITY MODULE IN STATIC BENDING ALONG THE GRAIN	-	≥ 7000 MPa
METHOD FOR DETERMINATION OF IMPACT VISCOSITY IN BENDING	-	34 KJ/m ²

Starting January 2018 we are able to offer **4000 mm** long plywood on daily basis.
Lead time for standard sizes is around 3-6 weeks. Special orders will require longer period.