

WISA[®]-Form Maxi Birch

WISA[®]-Form Super Maxi Birch

Our WISA-Form Maxi panels are developed for use as concrete shuttering in demanding applications where the best quality concrete finish and a high number of re-uses are required.

Base Board

Plywood made solely from birch (hardwood) veneers, giving the panel its excellent weight-strength ratio.

Bonding

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

Surface and edges

WISA-Form Maxi Birch has a coating weight for both sides is approx. 220 g/m². WISA-Form Super Maxi Birch has a coating weight for face 540 g/m² and reverse side 220 g/m².

Face and reverse: Dark brown phenolic film.

Edge protection: Water resistant paint.

Only the top side can be used for concrete shuttering.

Machining

Edge and CNC machinings are available at request.

Thicknesses and weight

Nominal thickness (mm)	Number of plies	Min. thickness (mm)	Max. thickness (mm)	Weight kg/m ² (MC 10 %)
9	7	8.3	9.1	6
12	9	11.0	12.0	8
15	11	13.8	14.8	10
18	13	16.6	17.6	12
21	15	19.5	20.5	14
24	17	22.3	23.3	16

Moisture content: 10 ±2 %





Reuses

The typical number of re-uses is likely to be in the range of 30 – 80 times with WISA-Form Maxi Birch and 30 – 100 times WISA-Form Super Maxi Birch. However, this will vary according to many different factors including good site practice, required concrete finish, amount of care taken when compacting the concrete, handling and storage of the forms, type and quality of release agent.

Panel sizes

Maxi panel sizes are 2000 – 12400 x 2000 – 2700 mm

Size tolerances

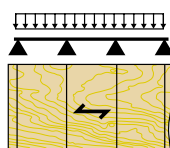
Length / width (mm)	Tolerance (mm)
< 1000	± 1
1000 – 2000	± 2
2001 – 6000	± 3
> 6000	± 5

Squareness tolerance: ± 1 mm / 1000 mm length of diagonal

Design Data

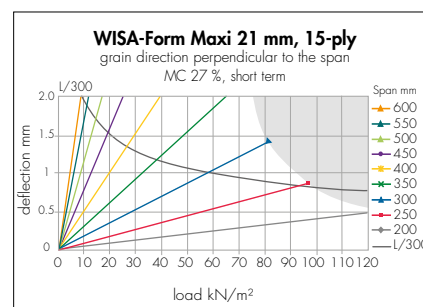
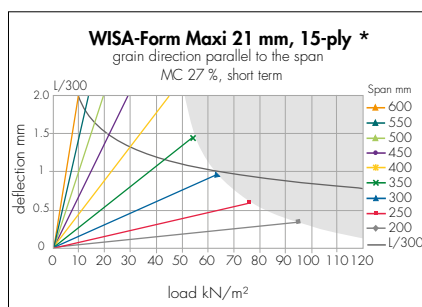
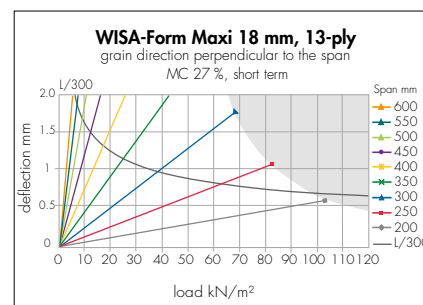
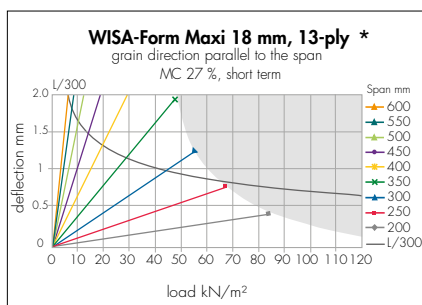
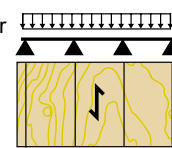
Face grain parallel to the span (| |)

← grain direction of surface veneers



Face grain perpendicular to the span (| -)

← grain direction of surface veneers



* WISA-Form Maxi's strength values in face grain direction are approximately 70 % of the strength values of WISA-Form Birch plywood.

Moisture content 27%, short time loading.

Modification factor for duration of load and moisture content $k_{mod} = 0.7$

Deformation factor $k_{def} = 0.4$

Partial safety factor for load 1.2 Partial safety factor for material 1.3

Deflection limit $L/300$ of the span

Support width is not taken into account in calculations

Instructions for use

The upper side of the panel is for concrete use.

See "Guide to good site practise" and "Site guidance note" available from UPM or www.wisaplywood.com.



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