

WISA[®]-Form Beto

WISA-Form Beto is a coated special plywood for use in slab loose panel concrete formwork.

Base board

Mirror construction plywood made from birch and spruce veneers bonded together in a cross banded construction.

Bonding

Phenolic resin cross-bonded weather resistant glueing according to EN 314-2/class 3, EN 636-3.

Surface and edges

Face and reverse: Dark brown phenolic film 120 g/m².

Imprinted text: "WISA-Form BETO".

Edge sealing: Water resistant paint.

Thicknesses and weight

Nominal thickness (mm)	Min. thickness (mm)	Max. thickness (mm)	Weight (kg/m ²) (MC 10%)
15	14.3	15.3	8.7
18	17.1	18.1	10.4
21	20.0	20.9	12.2

Panel size

1220/1250 x 2440/2500 mm

Size tolerance (length/width) ±1 mm per metre

Squareness tolerance ±1 mm per metre length of diagonal

Reuses

Typical number of reuses is likely to be in the range of 10 -15 times. However the number of reuses will depend on a wide range of factors including good site practice, the required concrete finish, careful handling & storage of forms and the type and quality of release agent.





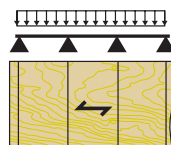
Design data

Mechanical properties of WISA-Form Beton, in standard thicknesses, moisture content $10 \pm 2\%$.

Nominal thickness (mm)	Mean modulus of elasticity bending (N/mm ²)		Characteristic strength bending (N/mm ²)	
	E _{mll}	E _{mll}	f _{mll}	f _{mll}
15	8763	6490	35.0	23.3
18	7864	7158	31.5	25.3
21	7621	7338	30.5	25.3

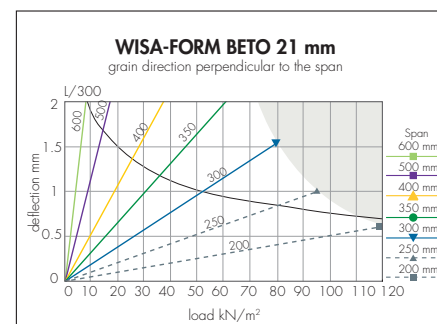
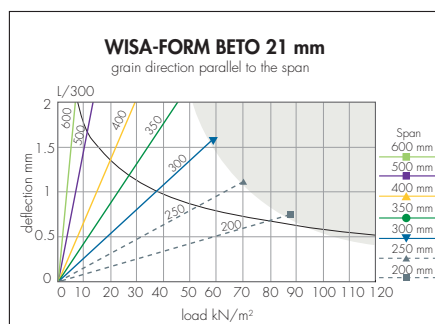
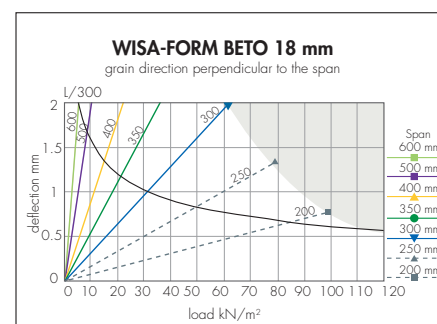
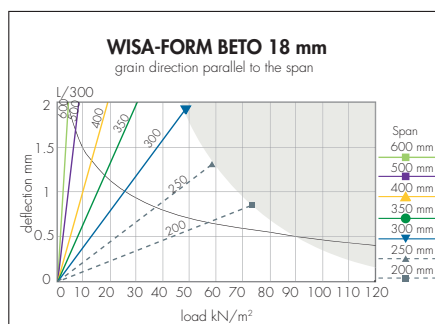
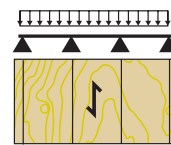
Face grain
parallel
to the span (||)

← grain direction of
surface veneers



Face grain
perpendicular
to the span (I-)

← grain direction of
surface veneers



UPM Plywood

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Moisture content 27 %, short time loading

Partial safety factor for the material is 1.3. Partial safety factor for the loads is 1.2.

Deflection limit L/300 of the span

Support width is not taken into account in calculations

Instructions for use

See "Guide to Good Site Practice" available from UPM.

www.wisaplywood.com
www.upm.com

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