



WISA®-Form BETO

**WISA-Form BETO is a coated
special plywood for use in
loose panel concrete form-
work.**

Base board

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

Bonding

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

Surface and edges

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

Imprinted text "WISA-Form BETO".

Edge sealing: Two coats of water resistant paint.

Thicknesses and weight

Nominal thickness	Number of plies	Min. thickness (mm)	Max. thickness (mm)	Weight kg/m ² (MC 10 %)
15	9	14.3	15.3	8.7
18	9	17.1	18.1	10.4
21	11	20.0	20.9	12.2

Panel size

1220/1250 x 2440/2500 mm

Size tolerance (length/width) +/- 1mm per metre

Squareness tolerance +/- 1mm 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.

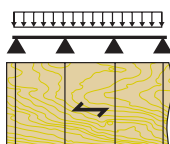
Design data

Mechanical properties of WISA-Form BETO, in standard thicknesses, moisture content 10 +/-2%

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

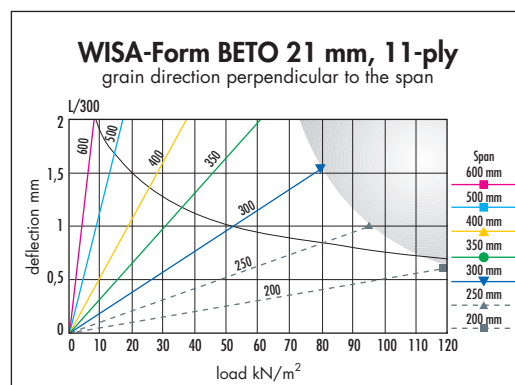
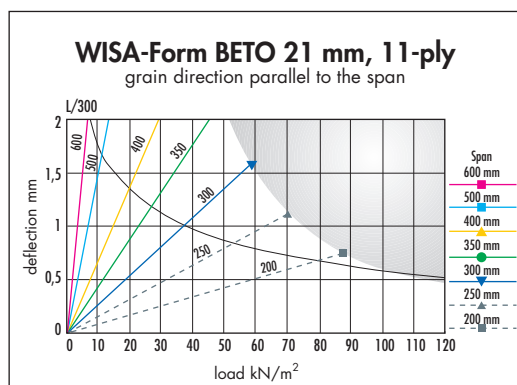
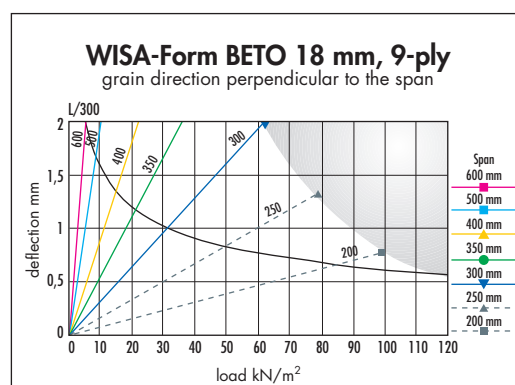
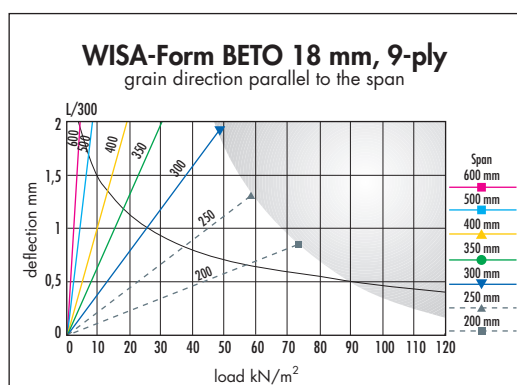
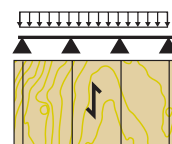
Face grain parallel to the span (||)

← grain direction of surface veneers



Face grain perpendicular to the span (⊥)

← grain direction of surface veneers



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 "Site guidance note for WISA-Form plywood" available from UPM.

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



Niemenkatu 16
P.O. Box 203
FIN-15141 LAHTI

Tel. +358 204 15113
Fax +358 204 156447

www.wisa.com
www.upm-kymmene.com