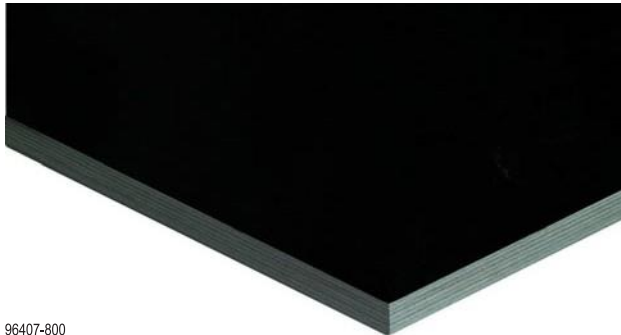


The Formwork Experts.

DokaPly Birch DC

Data Sheet



96407-800

DokaPly Birch is a Birchwood-veneer plywood sheet with film coating on both sides, for horizontal and vertical formwork applications.

Sheet structure

- Film-coated plywood sheet made of Scandinavian Birchwood.
- The arrangement of the veneers is crosswise.

Glue-bonding

- Boil-resistant, alkali-resistant, water-resistant and weather-resistant phenolic-resin glue-bonding.
- The glue-bonding meets the requirements of EN 314-2 Service Class 3, DIN 68705 BFU 100 or BS 6566 WBP.

Surfaces

- Both sides phenolic-resin film coating with 220 g (DC) per m² and side.
- Edge sealing: Acrylic-resin varnish.

Technical data

Note:

All values in the tables are based on a sheet moisture content of 10 ± 2% on delivery.

Changes in the wood's moisture content can have effects on the weight, dimensions and mechanical properties of the sheet.

The grain of the outside layers of this formwork sheet runs transverse to the longitudinal direction of the sheet.

Thicknesses, weights and formats:

Nominal thickness [mm]	Layers	Weight [kg/m ²]	Format [cm]
12.7	9	8.2	122 x 244
15	11	10.2	122 x 244
18	13	12.2	122 x 244

Format tolerances:

	Tolerance
Length/Width	± 3.5 mm (as per EN 315)
Perpendicularity	±1.0 mm/m
Straightness of sheet edge	±1.0 mm/m

Mechanical properties

(As per Handbook of Finnish Plywood):

Nominal thickness [mm]	E _m [N/mm ²]		f _m [N/mm ²]		EI [kNm ² /m]	
		⊥		⊥		⊥
12.7	10719	6781	42.9	33.2	1.54	0.98
15	10316	7184	41.3	33.8	2.79	1.94
18	10048	7452	40.2	34.1	4.56	3.38

E_m ... mean flexural modulus of elasticity

f_m ... characteristic flexural stiffness

EI ... Flexural strength

|| ... parallel to the grain

⊥ ... at right angles to the grain

- **Fire behavior:** D - s2, d0
- **Thermal conductivity:** 0.17 W/mK
- **Formaldehyde class:** E1

Item Numbers

- 185085000–Dokaply Birch DC 18mm 4'-0" x 8'-0"
- 185181000–Dokaply Birch DC 15mm 4'-0" x 8'-0"
- 185193000–Dokaply Birch DC 12.7mm 4'-0" x 8'-0"

Number of cycles

Possible frequency of use depends on many factors acting on the formwork sheet.

Notes on use

Ensure that the formwork sheets are treated correctly whenever they are used.

Formwork sheets are subject to the natural swelling and shrinkage of wood associated with moisture absorption and loss in the corresponding climatic conditions.

- > Prior to use, always make sure that the wood moisture content of the formwork sheets is matched to that of the surroundings.
- > Cover sheets to protect them from extreme climatic influences such as exposure to sunlight or moisture. This reduces cracking.
- > Seal cut edges, and around holes, with edge varnish.
- > Use a high-quality release agent.
- > Immediately after stripping the formwork, remove concrete residues from the surfaces that were in contact with the concrete.



NOTICE

Do not use pointed or sharp objects, wire brushes, abrasive disks or cup brushes.

Do not use high-pressure spray cleaners.

General information

The data stated here are guide values.

www.doka.com/multi-ply-formwork-sheets