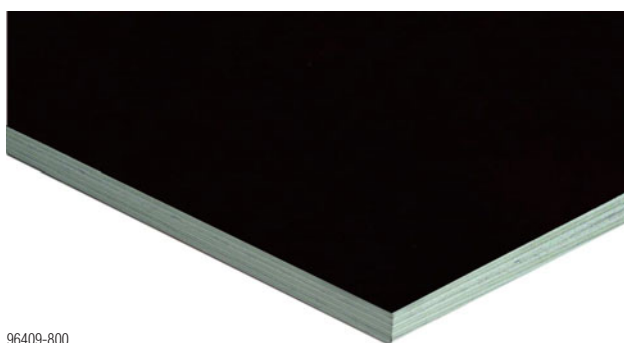


The Formwork Experts.

DokaPly eco

Data Sheet



96409-800

DokaPly eco is a solid plywood sheet made of European poplar with film coating on both sides for horizontal and vertical formwork applications.

Sheet structure

- Film-coated plywood sheet made of European poplar.
- 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.

Surfaces

- Both sides phenolic-resin film coating with 120 g 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 $10 \pm 2\%$ 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 parallel to the longitudinal direction of the sheet.

Thickness and weight:

Nominal thickness [mm]	Layers	Weight [kg/m ²]
18	9	9.0
21	11	10.5

Formats:

Length [cm]	Width [cm]
250	62.5
	125

Format tolerances:

	Tolerance
Length/Width	± 3.5 mm
Perpendicularity	± 1.0 mm/m
Straightness of sheet edge	± 1.0 mm/m

Mechanical properties:

Nominal thickness [mm]	E _m [N/mm ²]		f _m [N/mm ²]		EI [kNm ² /m]	
		⊥		⊥		⊥
18	3330	1946	31.0	29.7	1.62	0.95
21	4197	1943	31.3	23.3	3.24	1.50

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 behaviour:** D - s2, d0
- **Thermal conductivity:** 0.13 W/mK
- **Formaldehyde class:** E1

Number of cycles

Possible frequency of use depends on many factors acting on the formwork sheet. Given optimum conditions of use and correct handling, up to **15 use cycles** (guide value) can be achieved.

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 (e.g. Doka-Trenn or Doka-OptiX).
- ▶ 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.

Note:

Follow the directions in the 'Formwork sheets' User Information booklet!

You can download it here:



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