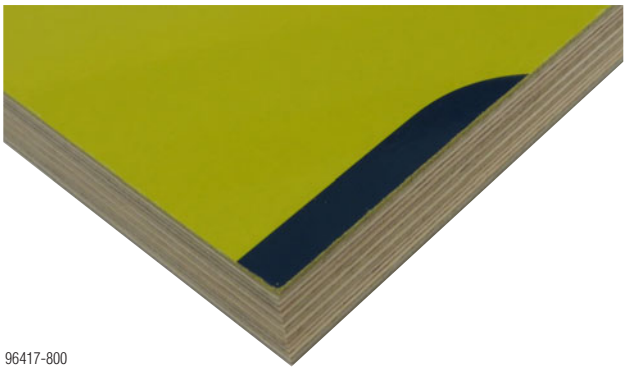
The Formwork Experts.

Xlife sheet

Framax

Data Sheet



96417-800

The Xlife sheet Framax is a high-grade plastic/wood composite sheet with hard-wearing plastic coating for a significantly longer lifespan and uniform concrete faces over a long time of service.

Sheet structure

- High-grade plywood sheet made of Scandinavian birchwood.
- The arrangement of the veneers is force-oriented.

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 polypropylene coating.
- Glass-fibre reinforcing on the side facing the concrete.
- Edge sealing: high-grade 2-component edge protection 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.

Thickness and weight:

Nominal thickness [mm]	Layers	Weight [kg/m²]
21	13	16.5

Formats:

Length	Width
System-dependent	

Format tolerances:

	Tolerance
Length/Width	± 0.5 mm
Perpendicularity	±0.3 mm/m
Straightness of sheet edge	±0.2 mm/m

Mechanical properties:

Nominal thickness [mm]	E_m [N/mm²]		f_m [N/mm²]		EI [kNm²/m]	
	∥	⊥	∥	⊥	∥	⊥
21	4986	8259	38.5	74.4	3.42	5.67

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:** E
- **Thermal conductivity:** 0.18 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 **350 use cycles** (guide value) in frame formwork can be achieved.

Type of application and concreting results

The sheet has a 'non-absorbent' surface. The special plastic coating gives the sheet a significantly longer lifespan.
Advantages: optimum nailability, easy cleaning, no rippling, less prone to mechanical damage. As a result, it delivers a smooth, premium concrete finish even after many repeat uses. To meet stringent specifications regarding the concrete finish, the sheets can also be screwed on from the rear.

The sheet is used in wall formwork systems and as a loose sheet in wall and floor-slab formwork.

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