

The Formwork Experts.

Doka texture sheet 3-SO

Data Sheet



96401-800

The Doka texture sheet 3-SO is a high-grade three-ply solid-wood sheet to Austrian standard ÖNORM B 3023, with milled longitudinal grooves and high-quality varnish finish for attractive concrete surfaces with board-like character.

Sheet structure

- Three-ply solid-wood sheet, spruce.
- The layers are crosswise glue-bonded.
- Without all-round edge strip.

Glue-bonding

- Boil-resistant, alkali-resistant, water-resistant and weather-resistant.
- The glue-bonding is compliant with the requirements of Austrian standard ÖNORM B 3023.

Surfaces

- Textured side: transparent varnish sealant.
- Back: Urea-melamine resin coating with approx. 130 g/m².
- Edge sealing: Emulsion coating.

Technical data

Note:

All values in the tables are based on a sheet moisture content of $12 \pm 3\%$ 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]
21	3	9.7

Formats:

Length [cm]	Width [cm]
250	100
300	
400	
500	
600	

Format tolerances:

	Tolerance
Width	± 1.0 mm
Length up to 3.0 m	± 1.0 mm
Length 3.0 - 6.0 m	± 1.5 mm
Perpendicularity	± 1.0 mm/m
Straightness of sheet edge	± 0.2 mm/m

Mechanical properties (to ÖNORM B 3023):

Nominal thickness [mm]	E _m [N/mm ²]		f _m [N/mm ²]		EI [kNm ² /m]	
		⊥		⊥		⊥
21	10000	-	22	-	7.82	-

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

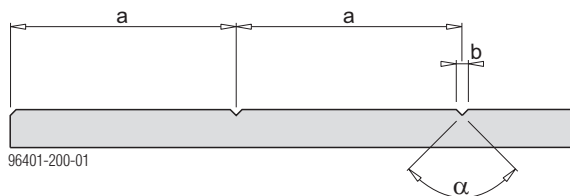
Possible frequency of use depends on many factors acting on the formwork sheet. Given optimum conditions of use and correct handling, **5 - 25 use cycles** (guide value) can be achieved.

Type of application and concreting results

The sheet has a 'low-absorbency' surface. The surface is brushed to bring out the structure of the wood. The natural wood texture of the sheet surface is reproduced on the concrete.

The milled longitudinal grooves also produce a 'board-like' character, which is reproduced in the finished concrete.

Distance between groove centres:



a ... 125 mm

b ... 6.5 mm

α ... 90°

The good concrete release properties of the thermosetting varnish coating make high numbers of repeat uses possible. The rear surface of the sheet is the same as that of a Doka formwork sheet 3-SO.

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/three-ply-sheets



www.pefc.org

This product uses materials from sustainably managed forests and controlled sources.