



Dokaply Birch 220/220

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

Buy
Plywood online:
shop.doka.com

Formwork & Scaffolding.
We make it work.

Wood Materials

100% baltic birch construction

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

Panel Construction

Water Proof bonding with cross-band outer veneer layers. Panel density: e: 630kg/m³

Panel Surface & Performance

220 grams/m² of black-brown surface film (PSF) on both sides.

Standard Sizes

4' x 8', or cut-to-size as buyer's request.

Size tolerance (width/ length): 1mm per meter.

Squareness tolerance: 1mm per meter length of diagonal.

Standard Thicknesses

12.7mm, 15mm, 18mm

Thickness tolerance: ref. EN 375:2000.

Number of Reuses

Dokaply Birch provides the highest reuse in the Doka portfolio. It is consistently used in many applications requiring 50 or more reuses. The actual number will also be affected by different factors such as storage conditions, construction methods, concrete components, as well as types of concrete and additives used during construction.

Edge Color

Edges of Dokaply Birch panel are painted black.

Packaging

18mm(3/4") is packaged with 40 pieces per unit. 15mm(5/8") is packaged with 48 pieces per unit.

Other Conformities & Compliances

FSC Certification is available by request.

Warnings:

This product will generate wood dust from sawing, sanding, or shaping. Material safety data sheets are available upon request.

Mechanical Properties

Nominal thickness [mm]	E _m [N/mm ²]		f _m [N/mm ²]		EI [kNm ² /m]	
		⊥		⊥		⊥
	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

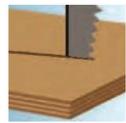
⊥ ... at right angles to the grain

Thickness	Units per Trucks	Sheets per Truck	Maximum net weight
5/8"	14	672	
3/4"	14	560	



Appropriate Conditions of Storage

Store panels in a dry, clean, well-ventilated, roofed area. Avoid extreme temperature and moisture. Panels must not be placed in contact with the ground. Separate crates from each other with clean, dry and strong spacers of uniform thickness, suitable for loading/unloading by forklifts.



Standard Tools

Panels should be cut, shaped and drilled by using standard wood-working tools. Recommended blade diameter~ 350 mm, thickness~ 3.5 mm, number of teeth > 100, and rotational speed 3,000 - 3,600 rpm.



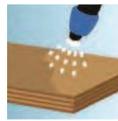
Edges & Holes Sealing

Seal resulting raw edges, holes, and all damaged areas with appropriate water-resistant/ proof paint. Avoidance of Falls or Drops Workers at site need to handle (carry, install, remove, etc.) panels properly and do not drop or let them fall from high levels or directly hit other materials or the ground.



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Application of Release Agent.

Even though the PSF overlay contains a certain amount of release agent, it is necessary that panels should be coated with suitably approved oil to ensure a cleaner and easier striking, as well as reuse.



Reverse Side Fastening

Panels should be fastened to formwork support components from the reverse side with screws. Shank nails are not recommended.



Cleaning after Use

Formwork plywood panels should be cleaned with water after use to remove concrete residues and other sticking materials on their surface. Suitable care is required to avoid damaging panels.



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