

PERI Birch

Formwork Panel

Panel construction

Birch plywood

Coating and edges

220 gr/m² phenolic resin coating on both sides in dark brown color, with or without "PERI" logo possible. Edged are sealed with water resistant paint.

Bonding

Phenolic resin cross-bonded weather resistant glueing according to EN 314-2/ class 3 (acc. BS 6566: WBP or DIN 68705: BFU 100)

Application

Wall and slab formwork panel for concrete finishes with highest requirments, fairfaced concrete finishes

Constructions and thicknesses

Other thicknesses on request

Sizes

Nominal thickness (mm)	# of piles	Weight in lb/f ²
12	9-ply	8.4
15	11-ply	10.5
18	13-ply	12.6
21	15-ply	14.7

Standard sizes in 1200/1220/1250 x 2400/2440/2500 are available
Cut and other sizes on request. Please contact your sales engineer.

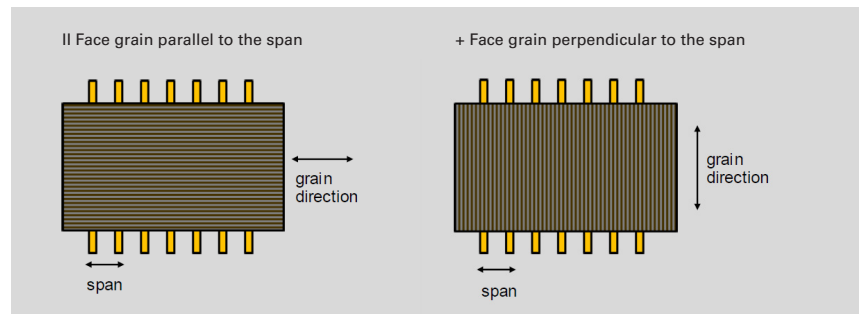
Tolerances

Size, thickness and squariness tolerance depends on production mill

Technical information

Mechanical properties of Peri Birch, in standard thicknesses, moisture content $10 \pm 2 \%$

Nominal thickness (mm)	Mean modulus of elasticity bending (N/mm ²)		Characteristic strength bending (N/mm ²)	
		+		+
15	10316	7184	41.3	33.8
18	10048	7452	40.2	34.1



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PERI Panel Products

How to extend the lifetime of formwork plywood

Proper handling and cleaning extends the lifetime of plywood panels. This guide shows how to handle and use your PERI formwork plywood. To achieve the best results and the maximum number of re-uses of your plywood, please follow these instructions.

Storage and Transport

- Protect the panels from contact with water and direct sunlight
- Cover stacks loosely to allow air circulation without heat build up
- Store on levelled ground to avoid deflection
- Panel forms should be carefully piled flat, face to face and back to back
- Immediately after stripping, panels can be stacked into small packages with faces together
- Storing plywood into stacks in between jobs helps minimize the risk of damage to the panels

Preparation for forming

PERI plywood is supplied with all four edges sealed for protection and to reduce moisture penetration. Restore edge protection after cutting panels to size:

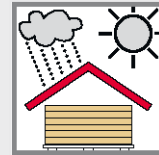
- Fill any open gaps with putty and seal
- Seal unprotected edges when cutting plywood to size
- Oil the panels before each use
- For minimal damage to the panel surface, supports should be fastened to the back of the panel

How to minimize the “rippling” effect

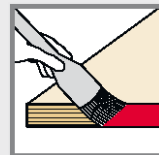
The quality of the concrete finish and the number of reuses of formwork plywood are affected by the conditions on the construction site. Due to low moisture content in the plywood, formwork panels are likely to be delivered to site in a relatively dry condition. When first exposed to weather elements and during the initial usage of the panels, moisture absorption may cause localised swelling of the wood veneer, which may leave impressions in the concrete finish. This type of plywood should therefore be conditioned prior to first use, e.g. by applying wet cement slurry or grout wash. Localised swelling should then become less noticeable.

After use

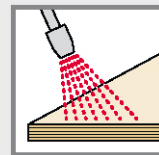
- When stripping panels, do not force panels with metal prys bars
- Use wood wedges, tapping gradually to strip the panels from the concrete surface
- Clean plywood panels immediately after use
- Immediately after stripping, panels should be cleaned with non scratching tools
- Use water to degrease the plywood surface before re-applying release agent



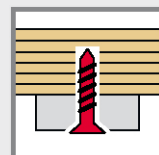
Protect from weather



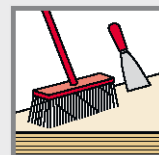
Seal edges & holes



Oil panels before use



Fasten from the back



Clean panels after use

Note

This information does not apply for plywood installed within a system formwork.

Disclaimer

The above information is a guide only. PERI does not accept any liability and/or assume responsibility for the number of re-uses or the concrete surface finish quality, as both are affected by various factors that are out of our control.



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