

18m PERI Proform EV Formwork Panel



Panel construction

Rubber, Acacia, Eucalyptus, Engineered Veneers

Coating and edges

Panel is constructed with 130 g/m² Phenolic Surface Film on both sides. Edges are sealed. Three times hot pressed. WBP Glue. No logo.

Bonding

Weather & Boil Proof - WBP (Class 3)

Application

Formwork panel for a smooth gloss finish

Constructions and thicknesses

Other thicknesses on request

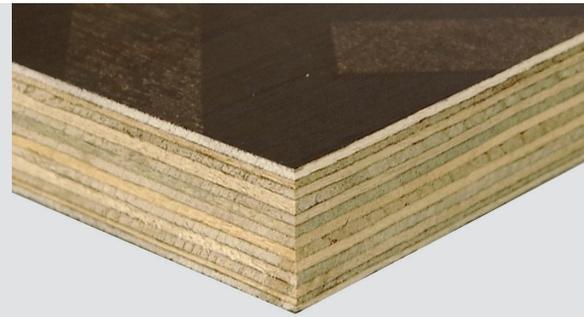
Nominal Thickness (mm)	Number of plies	Weight in lb/f ²	Pcs/unit	Unit/truck	SKU #
18	11-ply	2.5	45	12	250500

Sizes

Standard size is 4' x 8'. Other dimensions available by special order.

Technical Specifications

Properties	Unit	
Density	Kg/m ³	≥ 600
Abrasive test	Rev	≥ 300
Thickness tolerances	mm	+ (0.2 + 0.03t) - (0.4 + 0.03t)
Thickness swelling	%	≤ 10%
Formaldehyde emission	mg/m ² .h	E2
Bonding strength	N/mm ²	According to standard (≥ 0.8)
Bending Strength		
Parallel to the width of the panel	N/mm ²	≥ 50 (F50)
Parallel to the length of the panel		≥ 30 (F30)
Modules of elasticity		
Parallel to the width of the panel	N/mm ²	≥ 5000 (E50)
Parallel to the length of the panel		≥ 3000 (E30)



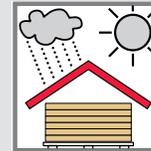
PERI panel products

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 best results and a 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.
- Store on leveled ground to avoid deflection.
- Do not move the pallet after removing the strapping.

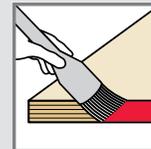


Protect from weather

Preparation for forming

Coated PERI plywood is supplied with all four edges painted for protection and to reduce moisture penetration. Make sure to restore the protection after cutting or drilling panels:

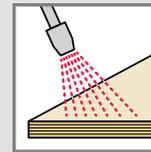
- Fill any gaps between the veneers with putty and seal the edges afterwards.
- Pilot tie-rod holes before drilling.
- Paint unprotected edges and drill holes at least once with an edge sealant. Contact your local paint supplier for an appropriate enamel or acrylic edge sealant.



Seal edges & holes

Oil the panels before each use. For best results, use a high-quality and biodegradable release agent like PERI Bio Clean.

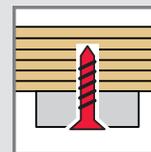
For minimal damage to the panel surface, support should be fastened to the panel from the back.



Oil panels before use

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. Formwork panels are likely to be delivered to the site in a relatively dry condition (< 15% mc). When first exposed to the weather conditions on site and also during the initial uses of the panels, moisture uptake may cause localised swelling of the wood veneer, which may leave impressions in the finished concrete surface. This effect is known as „rippling“ and is particularly common with plywood overlaid with a phenol film. This type of plywood should therefore be „conditioned“ prior to first use, e.g. by applying a wet cement slurry or grout wash. Localised swelling should then become less noticeable.



Fasten from the back

After use

- Clean the plywood panels immediately after use.
- To avoid damage to the surface, use plastic or nylon tools.
- Use soapy water to degrease the surface before applying release agent again.
- Repair small scratches with a suitable mastic or arabic gum.
- Fill any holes or scratches with mastic or epoxy filler.



Clean panels after use