

PERI PSF GA

Formwork Panel

Panel construction

All hardwood core; Rubber, Acacia, Eucalyptus

Coating and edges

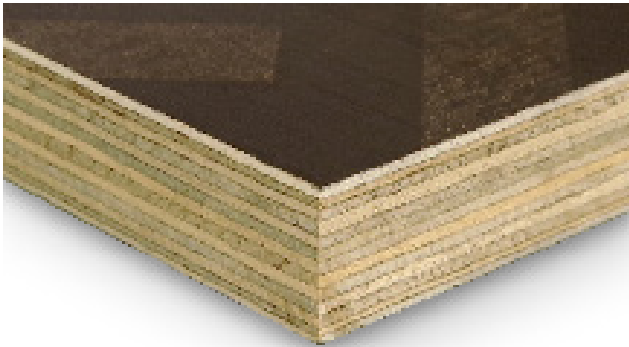
Panel is constructed with 130 g/m² Phenolic Surface Film on both sides. Edges are sealed dark. Phenolic Glue. No logo.

Bonding

Weather & Boil Proof-WBP (Class 3)

Application

Formwork panel for a smooth gloss finish. Resuses meet or exceed MDO.



Constructions and thicknesses

Nominal thickness (mm)	# of piles	Weight in lb/f²	Pcs/Unit	Unit/Truck	SKU#
15	9-ply	2.1	60	11	250331
18	11-ply	2.5	50	11	250330

Technical Specifications

Properties	Unit
Density	Kg/m³ ≤ 600
Abrasive test	Rev ≤ 300
Thickness tolerances	mm + (0.2 + 0.03t) - (0.4 + 0.03t)
Thickness swelling	% ≤ 10%
Formaldehyde emission	mg/m².h E2
Bonding strength	N/mm² According to standard ≤ 0.8
Bending Strength Parallel to the width of the panel Parallel to the length of the panel	N/mm² ≥ 50 (F50) ≥ 30 (F30)
Modules of elasticity Parallel to the width of the panel Parallel to the length of the panel	N/mm² ≥ 5000 (E50) ≥ 3000 (E30)

Uniform Loads (PSF) on 250330 18 mm PERI PSF GA

Name	Load Governed By	Face Grain Across Supports Span, Center-to-Center of Supports (Inches)									
		12	16	19.2	24	30	32	36	40	48	60
Single Span	L/360	293	124	72	37	19	15	11	8	5	2
	L/240	440	186	107	55	28	23	16	12	7	4
	L/180	587	248	143	73	38	31	22	16	9	5
	Bending	2933	1650	1146	733	469	413	326	264	183	117
Double Span	L/360	707	298	173	88	45	37	26	19	11	6
	L/240	1060	447	259	132	68	56	39	29	17	8
	L/180	1413	596	345	177	90	75	52	38	22	11
	Bending	2933	1650	1146	733	469	413	326	264	183	117
Triple Span	L/360	555	234	135	69	36	29	21	15	9	4
	L/240	832	351	203	104	53	44	31	22	13	7
	L/180	1110	468	271	139	71	59	41	30	17	9
	Bending	3667	2063	1432	917	587	516	407	330	229	147
Name	Load Governed By	Face Grain Across Supports Span, Center-to-Center of Supports (Inches)									
		12	16	19.2	24						
Single Span	L/360	431	182	105	54						
	L/240	647	273	158	81						
	L/180	862	364	211	108						
	Bending	3327	1871	1299	832						
Double Span	L/360	1038	438	254	130						
	L/240	1558	657	380	195						
	L/180	2077	876	507	260						
	Bending	3327	1871	1299	832						
Triple Span	L/360	815	344	199	102						
	L/240	1223	516	299	153						
	L/180	1631	688	398	204						
	Bending	4158	2339	1624	1040						



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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:

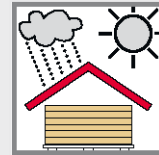
- Fill any open gaps with putty and seal
- Seal unprotected edges when cutting plywood to size
- Oil the panels before each use
- For minimal damage to the panel surface, supports should be fastened to the back of the panel

How to minimize the “rippling” effect

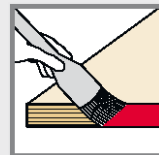
The quality of the concrete finish and the number of reuses of formwork plywood are affected by the conditions on the construction site. Due to low moisture content in the plywood, formwork panels are likely to be delivered to site in a relatively dry condition. When first exposed to weather elements 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

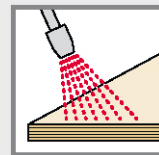
- When stripping panels, do not force panels with metal prys bars
- Use wood wedges, tapping gradually to strip the panels from the concrete surface
- Clean plywood panels immediately after use
- Immediately after stripping, panels should be cleaned with non scratching tools
- Use water to degrease the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



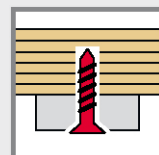
Protect from weather



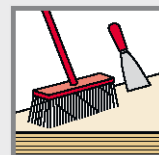
Seal edges & holes



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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