

PERI Yellow Dark Proform

Formwork Panel

Panel construction

Engineered veneer. All hardwood core: Eucalyptus, Acacia, Rubber wood.

Coating and edges

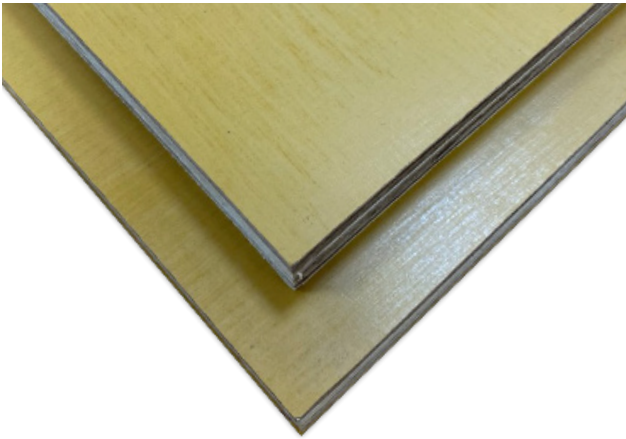
Panel is constructed with 167 g/m² yellow film face with 130 g/m² dark face back. Edges are sealed grey. Phenolic Glue.

Bonding

Phenolic glue.

Application

Film-faced panel for formwork applications.
High number of reuses.



Constructions and thicknesses

Nominal thickness (mm)	# of piles	Weight in lb/f ²	Pcs/Unit	Unit/Truck	SKU#
15	9-ply	1.9	60	13	250341
18	11-ply	2.6	50	13	250342

Dimensional Tolerance

EN315:2000

Characteristic	Unit	Test method	Test Result
1. Tensile strength perpendicular to the plane of the board (Internal bond) ^(a)	MPa	BS EN 319 : 1993	0.91
2. Bending strength ^(b) ■ Transverse direction ■ Longitudinal direction	N/mm ²	BS EN 310 : 1993	60.5 50.1
3. Modulus of elasticity in bending ^(b) ■ Transverse direction ■ Longitudinal direction	N/mm ²	BS EN 310 : 1993	7584 6230
4. Bending strength after immersion in water for 24 hrs ^(b) ■ Transverse ■ Transverse direction ■ Longitudinal direction	N/mm ²	BS EN 310 : 1993 & As the client's request	45.7 35.5
5. Modulus of elasticity in bending after immersion in water for 24 hrs ^(b) ■ Transverse direction ■ Longitudinal direction	N/mm ²	BS EN 31 : 1993 & As the client's request	5668 4244
6. Bonding quality (Shear strength) ^(c) ■ Transverse direction ■ Longitudinal direction	N/mm ²	BS EN 314-1 : 2004 BS EN 314-2 : 1993 (Class 3)	3.10 2.30 1.86

Uniform Loads (PSF) on Yellow Dark Proform

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	481	203	118	60	31	25	18	13	8	4
	L/240	722	305	176	90	46	38	27	20	11	6
	L/180	963	406	235	120	62	51	36	26	15	8
	Bending	2500	1406	977	625	400	352	278	225	156	100
Double Span	L/360	1160	489	283	145	74	61	43	31	18	9
	L/240	1740	734	425	217	111	92	64	47	27	14
	L/180	2320	979	566	290	148	122	86	63	36	19
	Bending	2500	1406	977	625	400	352	278	225	156	100
Triple Span	L/360	911	384	222	114	58	48	34	25	14	7
	L/240	1366	576	333	171	87	72	51	37	21	11
	L/180	1821	768	445	228	117	96	67	49	28	15
	Bending	3125	1758	1221	781	500	439	347	281	195	125
Name	Load Governed By	Face Grain Parallel to Supports Span, Center-to-Center of Supports (Inches)									
		12	16	19.2	24						
Single Span	L/360	439	185	107	55						
	L/240	658	278	161	82						
	L/180	877	370	214	110						
	Bending	1853	1043	724	463						
Double Span	L/360	1056	446	258	132						
	L/240	1584	668	387	198						
	L/180	2113	891	516	264						
	Bending	1853	1043	724	463						
Triple Span	L/360	829	350	202	104						
	L/240	1244	525	304	156						
	L/180	1659	700	405	207						
	Bending	2317	1303	905	579						



PERI Formwork Systems Inc.
Formwork Scaffolding Engineering
7135 Dorsey Run Rd
Elkridge MD 21075
Tel. (410) 712-7225
Fax (410) 796-8683
www.peri-usa.com

Tony Heyward
Panel Manager
Tel. (267) 524-6288
Tony.Heyward@peri-usa.com

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:

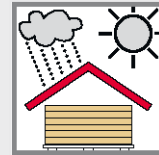
- Fill any open gaps with putty and seal
- Seal unprotected edges when cutting plywood to size
- Oil the panels before each use
- For minimal damage to the panel surface, supports should be fastened to the back of the panel

How to minimize the “rippling” effect

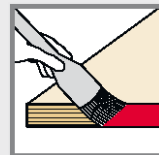
The quality of the concrete finish and the number of reuses of formwork plywood are affected by the conditions on the construction site. Due to low moisture content in the plywood, formwork panels are likely to be delivered to site in a relatively dry condition. When first exposed to weather elements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

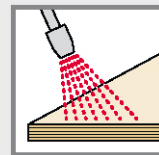
- When stripping panels, do not force panels with metal prys bars
- Use wood wedges, tapping gradually to strip the panels from the concrete surface
- Clean plywood panels immediately after use
- Immediately after stripping, panels should be cleaned with non scratching tools
- Use water to degrease the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



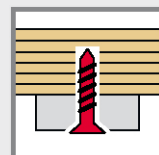
Protect from weather



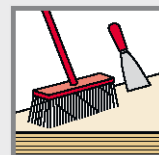
Seal edges & holes



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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Elkridge MD 21075
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Fax (410) 796-8683
www.peri-usa.com