

FILM FACED PLYWOOD

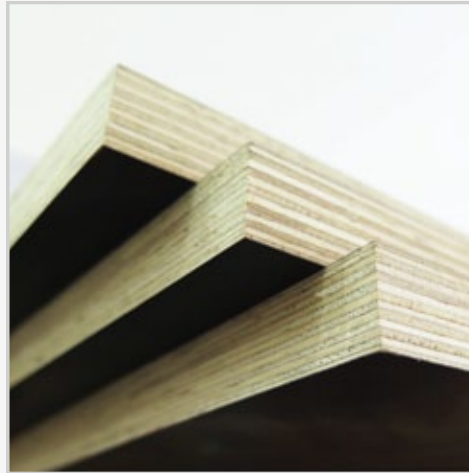


**QUALITY MAKES VALUE,
WE MAKE QUALITY**

TECOM® FILM FACED PLYWOOD

› GENERAL SPECIFICATIONS

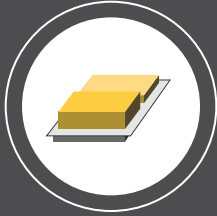
PROPERTIES	VALUE
Size	1250 x 2500 mm 1220 x 2440 mm customizable
Thickness	09 - 12 - 15 - 17 - 18 - 21 mm customizable
Wood species	Rubber, Eucalyptus, Acacia...
Density	≥ 630 kg/m ³
Moisture content	≤ 12%
Surface	Phenolic impregnated film
Quality standard	EN 13986



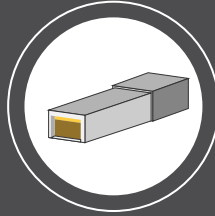
› TECHNICAL SPECIFICATIONS

NO.	PROPERTIES	UNIT	FFP QUALITY				TESTING METHOD
			EZ Form	DURA Form	PRO Form	HDO Form	
1	Bonding type ⁽¹⁾		CBR (Class 2)	WBP (Class 3)	WBP (Class 3)	WBP (Class 3)	EN 636:2003
2	Resin type		MUF + PF (or better)	100% PF	100% PF	100% PF	
3	Veneer grade		Mixed ABC	Mixed AB	100% A	100% A	
4	Film		PSF: 45/130gsm Black Brown	PSF: 45/130gsm Black Brown	PSF: 60/167 gsm Black Brown	OB: 310gsm PSF: 45/130gsm Black Brown	
5	Abrasive test	Rev	≥ 300	≥ 500	≥ 700	≥ 1200	EN 438-2:2005
6	Thickness tolerances	mm	+ (0.2 + 0.03t) - (0.4 + 0.03t)	+ (0.2 + 0.03t) - (0.4 + 0.03t)	+ (0.2 + 0.03t) - (0.4 + 0.03t)	+ (0.2 + 0.03t) - (0.4 + 0.03t)	EN 315:2000 (t) nominal thickness
7	Thickness swelling	%	≤ 10	≤ 8	≤ 8	≤ 8	EN 317:1993
8	Formaldehyde emission	mg/m ² h	E2 / E1	E1 / E0	E1 / E0	E1 / E0	EN 717-2:1995
9	Bonding strength	N/mm ²	≥ 1.0	≥ 1.2	≥ 1.2	≥ 1.2	EN 314-1:2004
10	Bending strength <i>Along grain</i> ⁽²⁾ <i>Across grain</i>	N/mm ²	≥ 50 ≥ 30	≥ 60 ≥ 30	≥ 60 ≥ 40	≥ 60 ≥ 40	EN 310:1993
11	Modulus of elasticity <i>Along grain</i> ⁽²⁾ <i>Across grain</i>	N/mm ²	≥ 5000 ≥ 3000	≥ 6000 ≥ 3000	≥ 6000 ≥ 4000	≥ 6000 ≥ 4000	EN 310:1993
12	Using times (02 faces)	times	Up to 15	Up to 25	Up to 35	Up to 60	

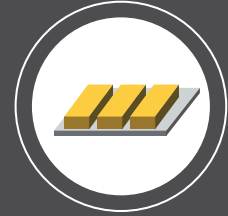
Note: (1) CBR: Cyclic Boil Resistant, WBP: Weather & Boil Proof (2) following the outer layer

**01****RAW MATERIALS INSPECTION**

Veneer moisture, thickness
Chemical & resin properties

**02****VENEER DRYING**

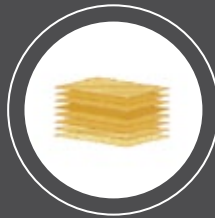
100% machine dried

**03****VENEER GRADING**

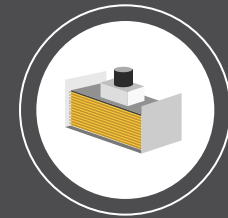
Grade A/B/C

**04****GLUING**

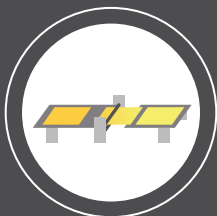
Glue mixture
Solid resin content
pH, viscosity

**05****ASSEMBLY**

Veneer moisture & grade
Lay-up composition

**06****PRESSING**

Temperature
Pressure, time

**07****TRIMMING & SANDING**

Thickness tolerance
Squareness
Surface defect
Smooth & flatness

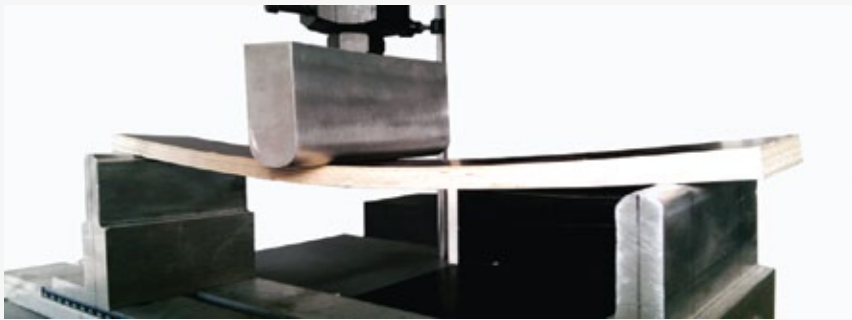
**08****FILM OVERLAY**

Temperature, pressure, time
Systematic sampling
and testing every 08 hours

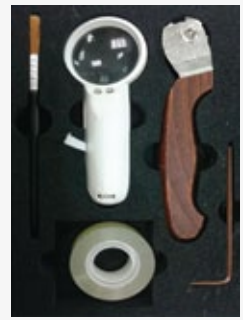
**09****FINISHING**

Pallet information
Production lot tracing

> SYSTEMATIC SAMPLING AND LAB TESTING



BENDING & MODULUS OF ELASTICITY TEST



ADHESION OF FILM TEST



BOILING TEST



ABRASIVE TEST

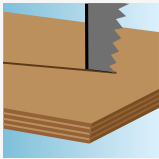


BONDING TEST



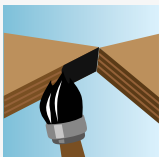
Protect from weather

- › Store the forms and the loose formwork panels against sun and rain.



Standard tools

- › Film faced plywood can be cut, shaped and drilled using standard wood-working tools (blade diameter: ~350mm, thickness: ~3.5mm, number of teeth: >100, rotational speed: 3000 - 3600 rpm).



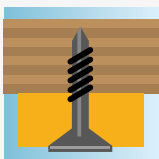
Specialized paint

- › Seal the resulting raw edges and holes with a suitable water resistant paint. Using waterproof specialized paint is recommended.



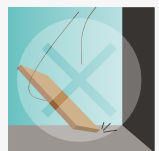
Oil panels before use

- › A suitable approved release agent (Rheofinish 202-BASF/ Sika Separol) must be used to ensure cleaner and easier striking, and also more re-uses.



Back face fastening

- › To achieve the best results we recommend that the plywood should be fastened by screws to the formwork support members from the back of the panel. Do not use shank nail.



Avoid falls from height

- › Plywood panels should be taken very carefully when moving high above the ground to prevent damages.



Clean after use

- › Plywood panels should be cleaned carefully with water or steam after use. Avoid damaging the panel surface when cleaning the concrete residues.