



Over the past two decades, the founders of L.T.M Corporation Pte Ltd have been dedicated to supplying high-quality building materials to the Singapore market.

With a keen focus on understanding the needs and preferences of our clientele, we have conducted extensive research and analysis of the film faced plywood market in Singapore. Our comprehensive study includes over 2,800 viewings by 1,300 plywood buyers and valuable feedback from more than 340 film faced plywood users.

Our commitment to excellence has driven us to visit more than 30 plywood factories across the globe, including those in Malaysia, China, Indonesia, the USA, and Vietnam. Through these visits, we meticulously evaluated and shortlisted the two most qualified factories for collaboration. Ultimately, we invested in one of these partner factories to ensure that our customers receive the highest quality and most consistent products. Our dedicated quality inspectors carry out stringent and routine checks to uphold our production and process standards, guaranteeing the reliability and durability of our offerings.

Our relentless pursuit of perfection led us to test over 30 combinations of materials and layers. This rigorous process has culminated in the creation of Duroply, our premium film faced plywood.

Duroply represents the pinnacle of our efforts, offering unmatched quality and performance to meet the demanding needs of our customers.



**"Durable like
no Other"**

Affordable durability you can trust.

Specifications



	Eco	Basic	Pro	Premium
Film	Double side black	Double side black	Double side dynea brown	Double side dynea brown
Edge Colour	Black	Green	Maroon	Grey
Density	550kg/m ³	550kg/m ³	600kg/m ³	630kg/m ³
Core Species	Mixed wood	Acacia	Acacia	Eucalyptus
Number of plies	9/11	7/11	7/11	9/11
Boiling water test	4 hours	10 hours	18 hours	< 72 hours
Number of uses	1 - 3 repetitions	5 - 8 repetitions	8 - 12 repetitions	15 - 20 repetitions
Sizes available	12mm X 1220mm X 2440mm 18mm X 1220mm X 2440mm	12mm X 1220mm X 2440mm 18mm X 1220mm X 2440mm	12mm X 1220mm X 2440mm 18mm X 1220mm X 2440mm	12mm X 1220mm X 2440mm 18mm X 1220mm X 2440mm

Packaging

Duroply Eco 12mm X 1220mm X 2440mm	80pcs/pallet
Duroply Eco 18mm X 1220mm X 2440mm	50pcs/pallet
Duroply Basic 12mm X 1220mm X 2440mm	80pcs/pallet
Duroply Basic 18mm X 1220mm X 2440mm	50pcs/pallet
Duroply Pro 12mm X 1220mm X 2440mm	80pcs/pallet
Duroply Pro 18mm X 1220mm X 2440mm	50pcs/pallet
Duroply Premium 18mm X 1220mm X 2440mm	50pcs/pallet



Duroply Eco



Our most economical choice suitable for cost conscious projects including general applications from conventional to sophisticated formwork which does not require multiple repetitions.

- Recycled core
- Not recommended to cut
- Economical & Eco-friendly
- For cost conscious projects
- 1 - 3 repetitions



Technical specifications

Standard sizes, length x width, mm (ft)	1220 x 2440, (4 x 8)
Thickness,mm	12, 18
Surface type	Smooth/smooth
Film density	160
Formaldehyde emission class	E2
Density, kg/m ³	530 - 550
Moisture content, %	5 - 10
Edge sealing	Acrylic-based black colour water resistant paint

Strength values

Modulus of Elasticity, E _m (MPa)	2909.38
Breaking Load (N)	360.36
Flexural Strength (MPa)	15.80

- Tested accordingly to BS EN 310: 1993

Duroply Basic



Economical, popular concrete plywood panel with black film faced suitable for cost conscious projects including general applications from conventional to sophisticated formwork.

- Our best selling range
- Cost efficient
- Suitable for most jobs
- 5 - 8 repetitions



Technical specifications

Standard sizes, length x width, mm (ft)	1220 x 2440, (4 x 8)
Thickness,mm	12, 18
Surface type	Smooth/smooth
Film density	160
Formaldehyde emission class	E2
Density, kg/m ³	530 - 550
Moisture content, %	0 - 10
Edge sealing	Acrylic-based green colour water resistant paint

Strength values

Modulus of Elasticity, E _m (MPa)	4203.53
Breaking Load (N)	774.75
Flexural Strength (MPa)	29.46

- Tested accordingly to BS EN 310: 1993

Duroply Pro



Total hardwood with a superior quality phenolic overlay film. Premium quality concrete formwork panel, ideal for tableforms, jumpforms, shutters applications.

- Engineered for long serviceability
- Best valued film faced plywood
- Superior smooth surface
- 8 - 12 repetitions



Technical specifications

Standard sizes, length x width, mm (ft)	1220 x 2440, (4 x 8)
Thickness,mm	12, 18
Surface type	Smooth/smooth
Film density	120
Formaldehyde emission class	E2
Density, kg/m ³	530 - 600
Moisture content, %	0 - 10
Edge sealing	Acrylic-based maroon colour water resistant paint

Strength values

Modulus of Elasticity, E _m (MPa)	5422.61
Breaking Load (N)	1185.83
Flexural Strength (MPa)	43.95

- Tested accordingly to BS EN 310: 1993

Duroply Premium



Highest quality veneers bonded with permanent WBP phenolic glue, overlaid with superior Finland Dynea film. Manufactured and designed for maximum reusability.

- Designed for maximum reusability
- For projects that requires numerous pours
- Exceptionally smooth concrete surfaces
- 15 - 20 repetitions



Technical specifications

Standard sizes, length x width, mm (ft)	1220 x 2440, (4 x 8)
Thickness,mm	18
Surface type	Smooth/smooth
Film density	120
Formaldehyde emission class	E0
Density, kg/m ³	600 - 630
Moisture content, %	0 - 8
Edge sealing	Acrylic-based grey colour water resistant paint

Strength values

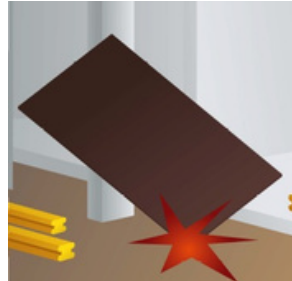
Modulus of Elasticity, E _m (MPa)	6187.25
Breaking Load (N)	1598.13
Flexural Strength (MPa)	53.21

- Tested accordingly to BS EN 310: 1993

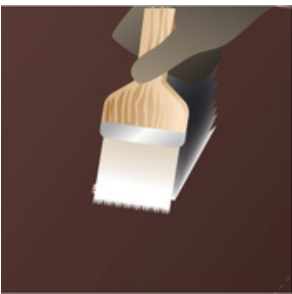
Guidelines for maintenance



After cutting the panel, apply an acrylic-based water-resistant paint to the edges to prevent swelling caused by moisture.



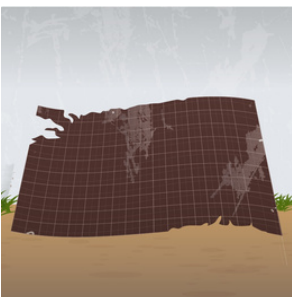
When removing the shuttering, ensure the plywood panels are neither dropped nor dragged on the ground.



Apply a light coat of a high-quality oil-based form release agent before each concrete pour.



Properly stack and store the plywood panels on a sheltered and even surface both before and after use.



Inspect your plywood panels after each concrete pour and clean off any concrete residue. Avoid reusing severely damaged panels. Panels with light damage can be repurposed for making extensions.



Seal all holes drilled during installation with silicone adhesive to prevent swelling from moisture.



COMPLIANCE



Projects Reference



Neem Tree @ Balestier

Neem Tree is a freehold private residential condominium located at Balestier with a total of 84 units, 17 storeys high.



Jurong Port

Administration Building

Jurong Port Administration Building is a commercial property primarily used for Office rent and sale.



GCB @ Cluny Hill

A rare Good Class Bungalow situated in Cluny Hill, private residential project.



Forest Woods @

Serangoon

Forest Woods is a private condominium situated at Serangoon comprising of 519 units in a popular mature estate.



Mandai Depot

Mandai Depot is a full maintenance train depot located in Mandai and has been operational from year 2019 onwards.



Panalpina @ Pioneer View

An industrial ramp up multi level warehouse sitting on 15000 square metres of land with total gross floor area of 30000 square metres.



East Coast Integrated Depot

East Coast Integrated Depot is the first in the world to integrate three train depots and one bus depot within a single site of 36 hectares.



Thomson Line MRT

The Thomson Line was first announced in 2008. The number of stations was increased from 18 in the initial announcement to the current 22 and length of the line from 27 km to 30 km.