

"We produce Eco-friendly board
on authentic designs
for the better living"



Low Formaldehyde Emission



*Serving clean atmosphere
to your home*



*Eco friendly products
with high quality*



High Moisture Resistant - V313 (E1)

High moisture resistant particle board is composed of wood chips and a moist resistant type of adhesive. The board resists the high humid climate. A purple pigmentation is added to help distinguish moist resistant from non-resistant particle board, which doesn't alter the technical specifications of the panel.

Features

- Contains a high moisture resistance rate greater than general boards.
- Low formaldehyde emission.
- Significantly greater than other MR board in terms of physical properties.
- Passed the 3 Cyclic test (V313).
- Use in areas of high humidity such as kitchen units, toilet partition.

Standard Size	1,830 X 2,440 mm.
Thickness	16,18 mm.
Adhesive	E1, E0, CARB P2/EPA

How to test 3 Cyclic Test



Soak

THE TEST SPECIMENS
ARE IMMERSSED IN WATER AT

$20 \pm 1^{\circ}\text{C}$
 $70 \pm 1 \text{ HRS.}$



Freeze

LATER, THEY ARE FROZEN AT

-12°C TO -25°C
 $24 \pm 1 \text{ HRS.}$



Heat

AFTER THAT THEY ARE HEATED UP

$70 \pm 2^{\circ}\text{C}$
 $70 \pm 2 \text{ HRS.}$



Total 28 days

This cycle is repeated 3 times. After that they are tested for swelling and strength. (1 week)

Properties (16 mm.)	Unit	Standard Value	Panel Plus V313	Other MR Board	Test Method
Bending Strength	N/mm ²	14.00	16.2	11	EN 310
Modulus of Elasticity	N/mm ²	1,950	2,376	1,600	EN 310
Internal Bond	N/mm ²	0.45	1.43	0.35	EN 319
Swelling in thickness, 24 hr	%	14	5.52	≤ 14	EN 317
Moisture Resistance requirement (3 Cyclic test)	Swelling in thickness	13	9.23	N/A	EN 321, EN 317
	Internal Bonding	0.13	0.48	N/A	EN 321, EN 319
Formaldehyde Content					
E2 Class	(mg/100g oven dry board)	8 < Content ≤ 20	18.6		EN 120
E1 Class	(mg/100g oven dry board)	Content ≤ 8	6.1		EN 120

SYNCHRONOUS PANEL

A new innovation of interior design, with a modern skin closure technology that presses and coordinates the wood pattern in the same direction by conveying the surface of the skin comparable to the real wood. Our Synchronous Panel comes with the convenience of installation and maintenance while offering endless aesthetic details within interior spaces.

FEATURES

- Realistic natural wooden texture.
- The unique attributes of natural wood equal to veneer.
- Easy to install and maintain, perfect for interior decoration.



DISTRIBUTORS

CHOW CHOON CORPORATION (M) SDN. BHD. (MALAYSIA)

No.4&5, Jalan Sungai Chadong 8, Batu5 1/2,
Jalan Kapar 41000 Klang, Selangor, Malaysia

Tel : +012-5038009

+603-3291 8166

+603-3291 5166

Fax : +603-3291 4166

E-mail : chowchooncorp.hq@gmail.com