

STANDARD COLLECTION 2020-2021



CHOW CHOON
CORPORATION (M) SDN BHD
造寸機構有限公司
home centre 336684-H



造寸機構有限公司
CHOW CHOON
CORPORATION (M) SDN BHD

(336684-H)

www.chowchoon.com

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Kuantan Branch	Tel: 609-566 1392	H/P: 013-230 7168
Penang Branch	Tel: 604-229 7577	H/P: 013-655 5168

PANEL
PLUS®



PANEL PLUS

Panel Plus Company Limited is one of Thailand Manufacturers and distributors of Particle Board, Medium density fiberboard, Melamine faced panels and Synchronous panel. Our head office is located in Bangkok with two operating plants in Samutsakorn and Songkhla province of Thailand. Such extensive and proficient know-how leads the company to produce 333,000 cubic meters of particle boards and 670,000 cubic meters of MDF and over 5 million Melamine faced panels per year.

With the experiences Panel Plus has garnered through its every step to success, the company continues to move forward and is now ready to become one of the leading innovators and business operators in the industry at both domestic and international level.

“
The Leading Manufacturer
of Wood Substitute Products
”



SYNCHRONOUS PANEL

Realistic wooden natural texture.

FOREST OAK



Forest Oak Natural AW3
6' x 8'



Forest Oak Dark Brown AW5

6' x 8'



 **ABS Edgebanding**
Available in stock (1 x 22 mm)

 **Lacquer High Gloss**
Coated with single side on MF-MDF over 16 mm (4' x 8')

nonn~uun'cxu'~1x~vnn~ninn"xuv~nu'~un~vs~1 | sample in catalogue.MGLT not exact to actual.



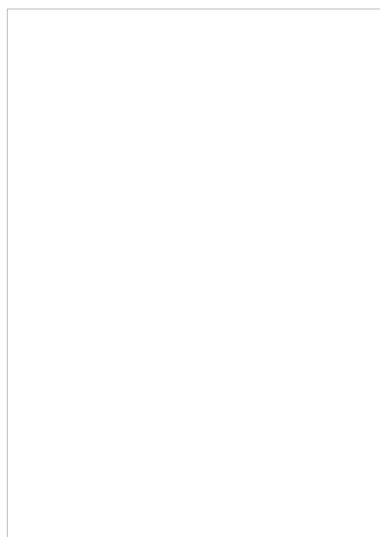
Forest Oak Grey AW2
6' x 8'



Forest Oak Mid Brown AW4
6' x 8'



Black MK260 AT1
Forest Oak | 6' x 8'



White MK630N
Forest Oak | 6' x 8'

 **ABS Edgebanding**
Available in stock (1 x 22 mm)

 **Lacquer High Gloss**
Coated with single side on MF-MDF over 16 mm (4' x 8')

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TERRA WALNUT



Terra Walnut Golden Blonde AT4

6' x 8'



Terra Walnut Light Blonde AT3

6' x 8'




 **ABS Edgebanding**
Available in stock (1 x 22 mm)

 **Lacquer High Gloss**
Coated with single side on MF-MDF over 16 mm (4' x 8')

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 ABS Edgebanding
Available in stock (1 x 22 mm)

 Lacquer High Gloss
Coated with single side on MF-MDF over 16 mm (4' x 8')

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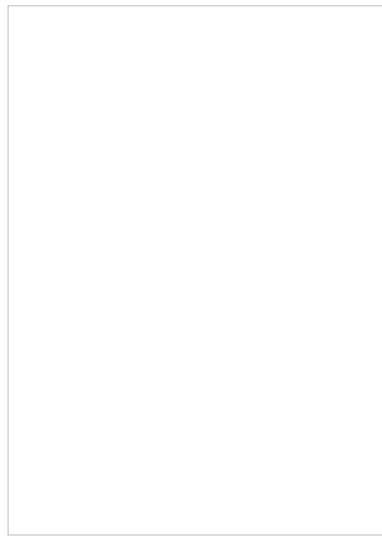




Terra Walnut Darkest Blonde AT5
6' x 8'



Black MK260 AT1
6' x 8' Terra Walnut | 6' x 8'



White MK630N
Terra Walnut | 6' x 8'



 **ABS Edgebanding**
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 **Lacquer High Gloss**
Coated with single side on MF-MDF over 16 mm (4' x 8')

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SWISS ELM



Swiss Elm Sand AR7
6' x 8'



Swiss Elm Champagne AR8
6' x 8'



Swiss Elm Amber AR9

 **ABS Edgebanding**
Available in stock (1 x 22 mm)

 **Lacquer High Gloss**
Coated with single side on MF-MDF over 16 mm (4' x 8')

non rappresentativo della realtà. Il campione in catalogo MIGLIOR non è esatto e attuale.





Swiss Elm Light AP1
6' x 8'

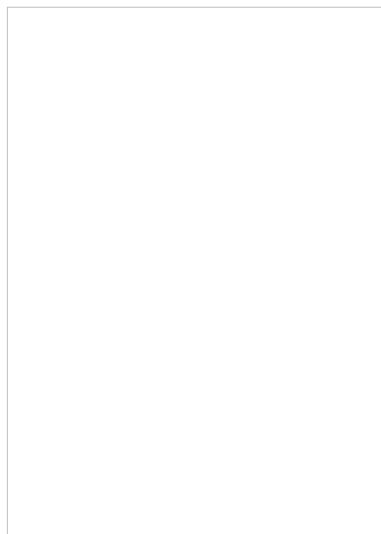


Swiss Elm Warm AP2
6' x 8'



Black MK260 AT1
Swiss Elm | 6' x 8'

6' x 8'



White MK630N
Swiss Elm | 6' x 8'



 ABS Edgebanding
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 Lacquer High Gloss
Coated with single side on MF-MDF over 16 mm (4' x 8')

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 ABS Edgebanding
Available in stock (1 x 22 mm)

 Lacquer High Gloss
Coated with single side on MF-MDF over 16 mm (4' x 8')

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SPECIAL WOODGRAIN



NEW Marcelo Ash BK7
Matt Woodgrain | 6' x 8'



White Malt Oak AK1
Woodrift | 6' x 8'



White Wash OB8
Woodrift | 6' x 8'



Rijeka Oak OR8
Woodrift | 6' x 8'



 ABS Edgebanding
Available in stock (1 x 22 mm)

 Lacquer High Gloss
Coated with single side on MF-MDF over 16 mm (4' x 8')

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Breeze Oak AP4
Woodrift | 6' x 8'



Rhodes AP7
Woodrift | 6' x 8'



Berg Oak AV6
Super Matt | 6' x 8'



Antique Railway AU7
Fineline | 6' x 8'



Gentle Rovere AH9
Woodrift | 6' x 8'



Oak Pegasus AQ9
Woodrift | 6' x 8'



Homie Eucalyptus AP9
Stipple Matt | 6' x 8'



Rovere Mara AQ4
Fineline | 6' x 8'



Rovere Cornish AU6
Fineline | 6' x 8'

 ABS Edgebanding
Available in stock (1 x 22 mm)

 Lacquer High Gloss
Coated with single side on MF-MDF over 16 mm (4' x 8')

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Shimo Ash AG9
 Matt Woodgrain | 6' x 8'
P2



Grand Oak AQ2
 Woodrift | 6' x 8'



Cornwall Oak AV7
 Woodrift | 6' x 8'



Nature Chestnut BD5
 Matt Woodgrain | 6' x 8'



Ashlandic AJ9
 Woodrift | 6' x 8'



Hokaido Elm AV4
 Woodrift | 6' x 8'



NEW Caramel Oak BK8
 Matt Woodgrain | 6' x 8'



Cottage Oak AJ2
 Matt | 6' x 8'



Dark Cornwall Oak AV3
 Woodrift | 6' x 8'



ABS Edgebanding
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sample in catalogue MIGLT not exact to actual.



Faggiona OX4
Woodrift | 6' x 8'



Bruno Ash BE2
Matt Woodgrain/Iconic Wood | 6' x 8'



Foxy Ash AP3
Woodrift | 6' x 8'



Noce Nogaro AS5
Woodrift | 6' x 8' **OP1**



NEW **Honey Elm BJ3**
Matt Woodgrain | 4' x 8'



Vintage Oak AV5
Woodrift/Iconic Wood | 6' x 8'



Mocha Walnut AUS
Woodrift | 6' x 8'



Noce Champagne AP5
Alutex | 6' x 8'



NEW **Emperor Walnut BK3**
Matt Woodgrain | 6' x 8'



ABS Edgebanding
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Lacquer High Gloss
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non rappresentativo della realtà | sample in catalogue MGLT not exact to actual.





NEW **Magnum Walnut BL2**
Fino Metal/Matt Woodgrain | 6' x 8'



Linosa 0M1
Woodrift | 6' x 8'



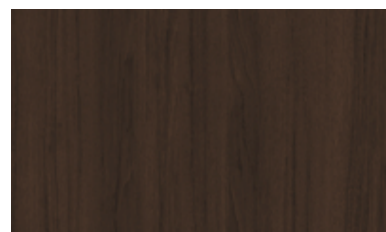
Noce Cocoa BE1
Matt Woodgrain | 6' x 8'



Barkwalnut AJ4
Alutex | 6' x 8'



Wyoming Maple 0S1
Woodrift | 6' x 8'



Classic Teak AA7
Matt Woodgrain | 6' x 8'



Fineline Mocha AG2
Matt Woodgrain | 4' x 8'



Lava Acacia AQ1
Matt Woodgrain | 6' x 8'



Subterranean Wood AU9
Stipple Matt | 6' x 8'



Fumed Oak AQ3
Finoline | 6' x 8'



Le Charcoal AJ5
Alutex | 6' x 8'



 **ABS Edgebanding**
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 **Lacquer High Gloss**
Coated with single side on MF-MDF over 16 mm (4' x 8')

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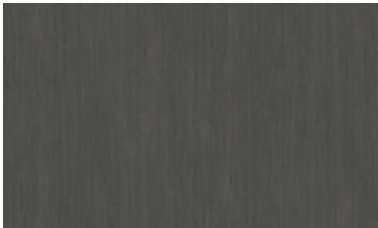
Saturn Oak AU4
Super Matt | 6' x 8'



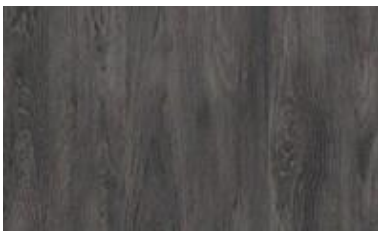
Aged Teak BD9
Matt Woodgrain | 6' x 8'



NEW Anchor Chestnut BJ4
Matt Woodgrain | 6' x 8'



Volcanic Ash BD6
Woodrift | 6' x 8'



Smoke Onyx Oak AV2
Woodrift | 6' x 8'



NEW Cinder Oak BK9
Fineline | 6' x 8'



Onyx Oak AV1
Fineline | 6' x 8'



Unique Oak AA8
Woodrift | 6' x 8'



Twilight Elm BD8
Matt Woodgrain | 6' x 8'



Rugged Pine AT7
Fineline | 6' x 8'



Sheffield Oak AT9
Woodrift | 6' x 8'



OR2



ABS Edgebanding
Available in stock (1 x 22 mm)



Lacquer High Gloss
Coated with single side on MF-MDF over 16 mm (4' x 8')

non-rappresentativo - sample in catalogue MGLT not exact to actual.



STANDARD WOODGRAIN



Ladina AE2
Alutex | 6' x 8'



Maple MM325
Matt Woodgrain | 4' x 8' & 6' x 8'



Oak 69A
Matt Woodgrain | 6' x 8' WE



Natural Oak MFD0125
Matt Woodgrain | 6' x 8'



Beech MFD205
Matt Woodgrain | 4' x 8' & 6' x 8'



Cherry Capucino 67B
Matt Woodgrain | 4' x 8' & 6' x 8' WE



Cherry 0J6
Matt Woodgrain | 4' x 8' & 6' x 8'



Walnut C34
Matt Woodgrain | 6' x 8'



Modioak241A AG3
Matt Woodgrain | 4' x 8' & 6' x 8' WE



 **ABS Edgebanding**
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PATTERN



NEW Cloudy Twist BL1
Canvas | 6' x 8'



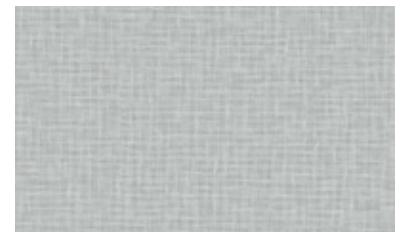
Silver Zilk AJ7
Textile | 6' x 8'



Cotone BC9
Canvas | 6' x 8'



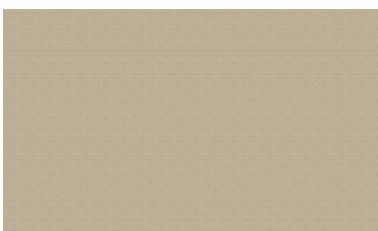
Puritan Linen BC7
Canvas | 6' x 8'



Linen Smoke OW4
Textile | 6' x 8'



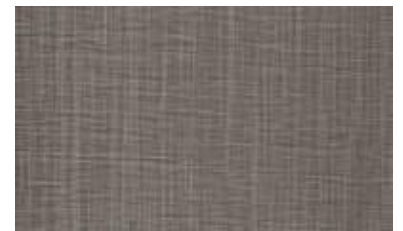
Linen Topaz OW5
Textile | 6' x 8'



Tweed OV1
Textile | 6' x 8'



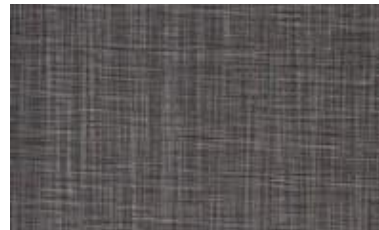
Denim Grizzly AA3
Textile | 6' x 8'



Camel Zilk AJ6
Textile | 6' x 8'



Tessuto OX5
Textile | 6' x 8'



Dark Otter Zilk AJ8
Textile | 6' x 8'



Denim Twist BC8
Canvas | 6' x 8'

 ABS Edgebanding
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 Lacquer High Gloss
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non rappresentativo | sample in catalogue MGLT not exact to actual.







NEW Sierra Marble BJ5
Stipple Matt | 6' x 8'



Calacatta Marble BL5
Super Matt | 4' x 8'



NEW Moonlight Marble BJ6
Stipple Matt | 6' x 8'



Granite AU2
Super Matt/Concrete | 6' x 8'



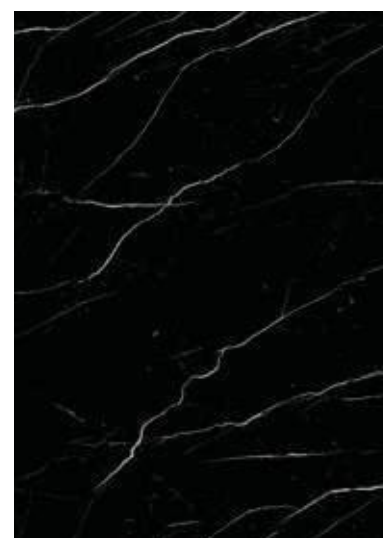
Haze Marble BD1
Super Matt | 6' x 8'



Thunder Marble BD2
Super Matt/MirrorGloss | 6' x 8'



Nordic Grey BD3
Mirror Gloss/Stipple Matt | 6' x 8'



Midnight Marble AU3
Mirror Gloss | 6' x 8' Concrete



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non-representative image - sample in catalogue MGLT not exact to actual.





Travertine BC6
Concrete | 6' x 8'



Brooklyn AQ5
Stipple Matt | 6' x 8'



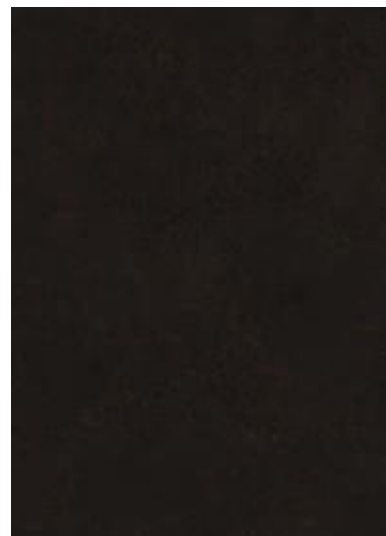
Limestone BC5
Plaster | 6' x 8'



Grey Stone AU1
Concrete/Canvas | 6' x 8'



Urban Rustic AU8
Concrete | 6' x 8'



Corrosie BC4
Plaster | 6' x 8'



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 **Lacquer High Gloss**
Coated with single side on MF-MDF over 16 mm (4' x 8')

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NEW Bonfire Rain BJ9
Fino Metal/Matt | 6' x 8'



NEW Smoky Rain BK1
Fino Metal/Matt | 6' x 8'



NEW Rosie Aluminum BK5
Fino Metal/Mini Pearl | 6' x 8'



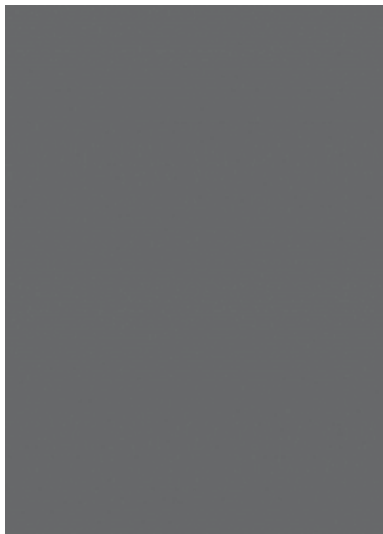
NEW Sand Sterling BJ7
CrossMetal/Mini Pearl | 6' x 8'



NEW Foss Zilk BK2
Cross Metal/Matt | 6' x 8'



NEW Silver Aluminum BK6
Fino Metal/Mini Pearl | 6' x 8'



NEW Grey Sterling BJ8
CrossMetal/Mini Pearl | 6' x 8'



NEW Ash Zilk BK4
Cross Metal/Matt | 6' x 8'



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SOLID



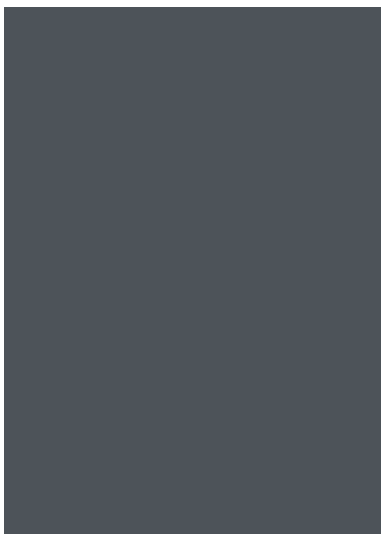
Grey MK3238
Alutex/Pearl | 6' x 8'



Grey MK3258
Pearl | 4' x 8' & 6' x 8' 




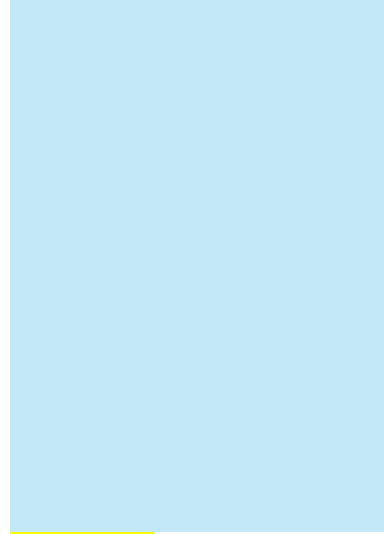
Grey MK203
Pearl | 4' x 8' & 6' x 8'



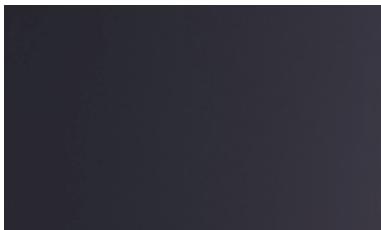
Carbon Grey BE4
Matt | 6' x 8'  




Mystic Blue BE3
Super Matt | 6' x 8' 



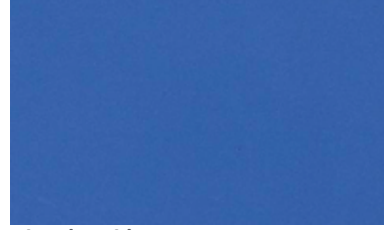
Blue Sky AY8
Pearl | 6' x 8'



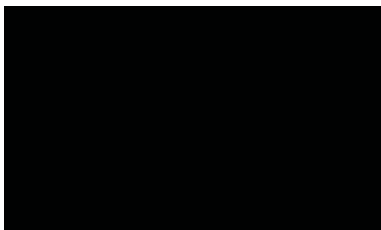
Graphite MK3200
Pearl | 4' x 8' & 6' x 8' 



Turquoise AY7
Pearl | 6' x 8' 



Blue (Dark) MFI650
Pearl | 6' x 8'




Black MK260 AT1
Pearl | 4' x 8' & 6' x 8' 



Green Lime AY6
Pearl | 6' x 8'



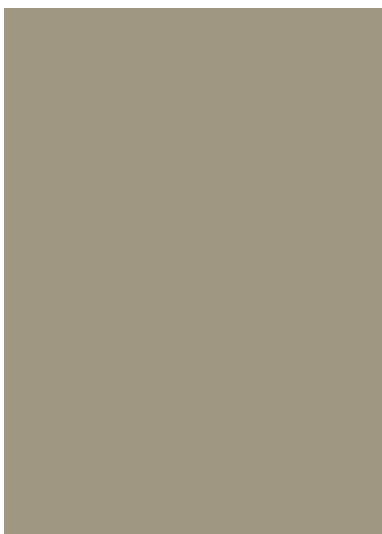
Navy Blue AV9
Canvas/Matt | 6' x 8'  



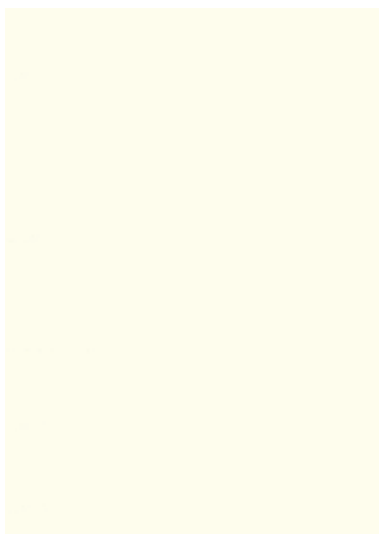
 ABS Edgebanding
Available in stock (1 x 22 mm)

 Lacquer High Gloss
Coated with single side on MF-MDF over 16 mm (4' x 8')

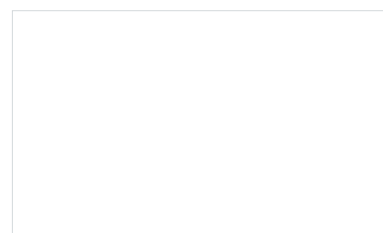
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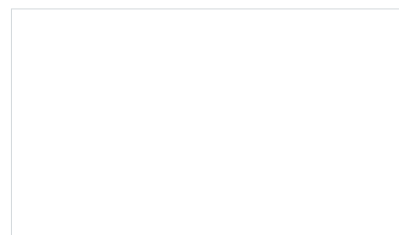
Sandstone 073
Pearl | 6' x 8'



Ivory MK3995
Pearl | 6' x 8' Alutex



White MK630
Pearl/Alutex | 4' x 8' & 6' x 8'



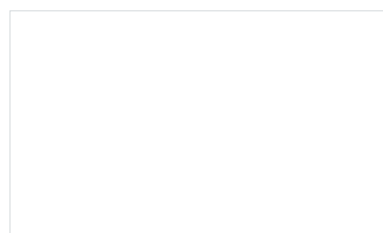
White MK630N
Pearl/Matt | 4' x 8' & 6' x 8'



Mud Brown AW1
Matt/Canvas | 6' x 8'



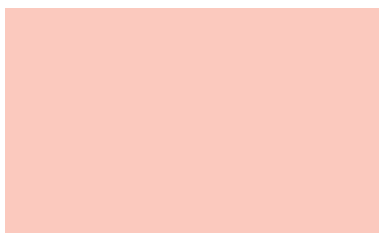
Beige MFI599
Pearl | 6' x 8' Alutex



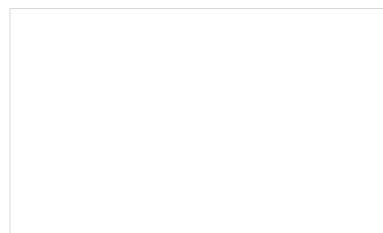
White AE9
Mini Pearl/Matt | 4' x 8' & 6' x 8'



Terra Cotta BE5
Matt | 6' x 8'



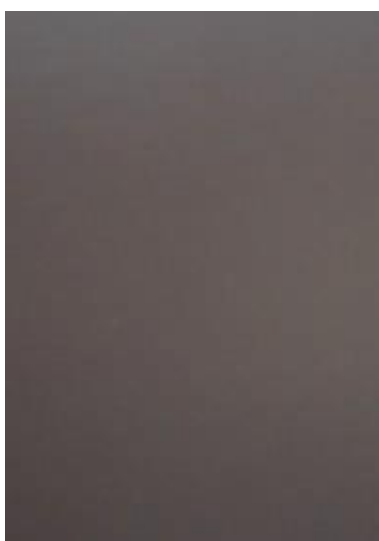
Lady Pink AYS
Pearl | 6' x 8'



White 0M3
Mirror Gloss | 4' x 8' & 6' x 8'



Burgundy AV8
Canvas/Matt | 6' x 8'



Galaxy Grey AS7
Matt/Canvas | 6' x 8'



Silver 097
Pearl/Alutex | 6' x 8'

ABS Edgebanding
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Lacquer High Gloss
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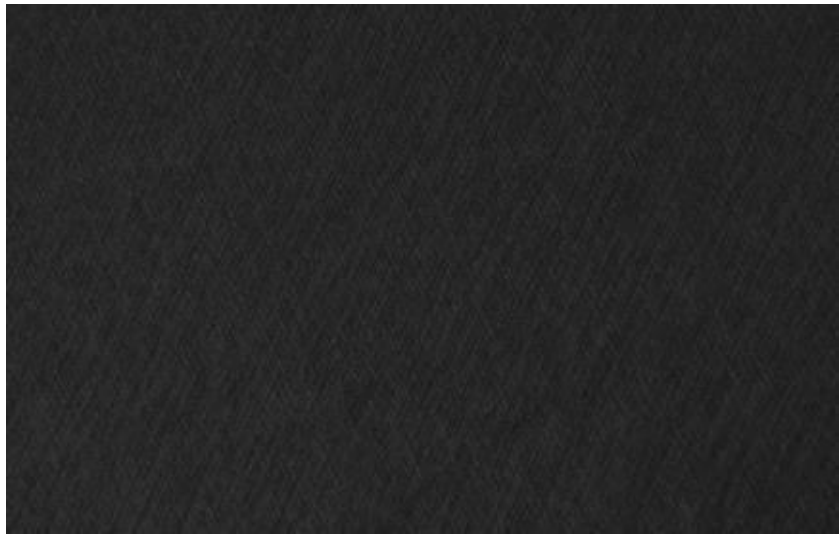
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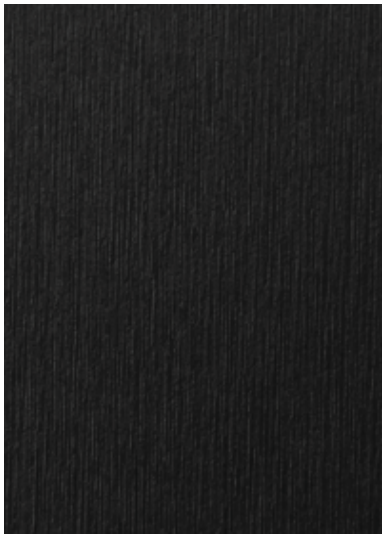
SURFACE



NEW Iconic Wood



NEW Cross Metal



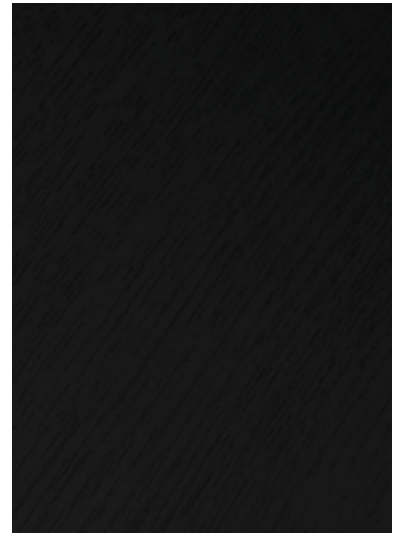
NEW Fino Metal



Plaster **PT**



Stipple Matt **SM**



NEW Matt Woodgrain **MWE**



Concrete **CT**



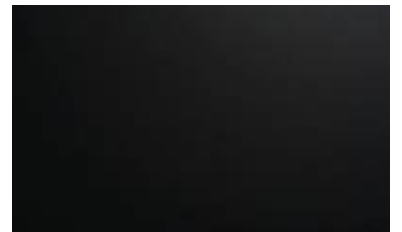
Gun Metal



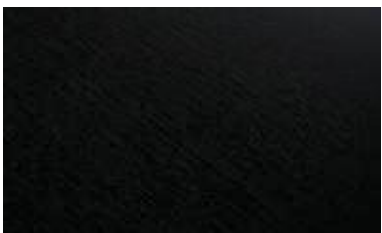
Crosscut
CC



Textile
TX



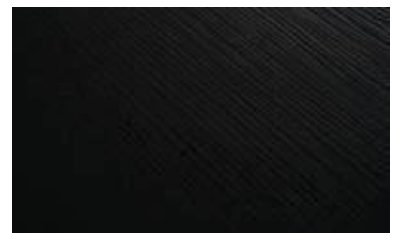
Canvas
CV



Woodgrain
WE



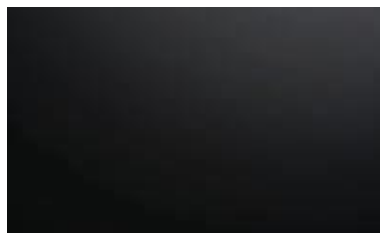
Finoline
FL



Woodrift
WR



Alutex
T



Matt
M



Super Matt
SP



Pearl
P



Mini Pearl
MP



Mirror Gloss
MG

OUR PRODUCTS



MELAMINE FACED PANELS

- Strong wood surface with Scratch resistance and does not absorb water.
- Quick installation, convenience and reduce work time.
- Suitable for interior designer built-in furniture.

- Standard size: 4 x 8 ft, 6 x 8 ft
- Thickness on Particle Board: 8-38 mm
- Thickness on MDF: 6-38mm



SYNCHRONOUS PANEL

- Detail of natural tactile quality of real wood.
- A beauty equal to that of veneer.
- The perfect substitute for real wood decoration.

- Standard size 4 x 8 ft, 6 x 8 ft
- Thickness on Particle Board: 8-38 mm.
- Thickness on MDF: 6-38 mm



LACQUER HIGH GLOSS BOARD

- Outstanding "Glossiness" with distinctive eye-catching surface.
- Technology of Polyurethane (PUR) and Lacquer Coating from Germany.
- Minimizing the cracks on the cutting process.

- Standard Size: 4 x8 ft
- Lacquer coated with single side on MF – MDF over 16 mm



FLAME RETARDANT BOARD

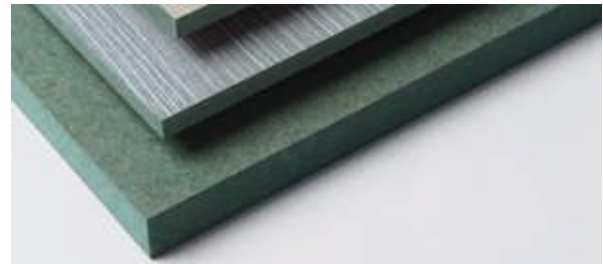
- Made from MDF.
- Flame retardant with smoke reduction in accordance with BS 476-7 (Class 1)
- Suitable for installation in Fire escape area, hospital, hotel, airport, office building, etc.

- Standard Size 4 x 8 ft
- Thickness on MDF: 6, 9 ,12 and 18 mm

- Durable material provides intensive support against pressure greater than MDF 3 times
- High density > 800 Kg/m³
- Resistant to moisture, suitable for built-in kitchen, flooring, doors etc.

- Standard size: 4 x 8 ft, 6 x 8 ft

- Thickness: 12 – 30 mm

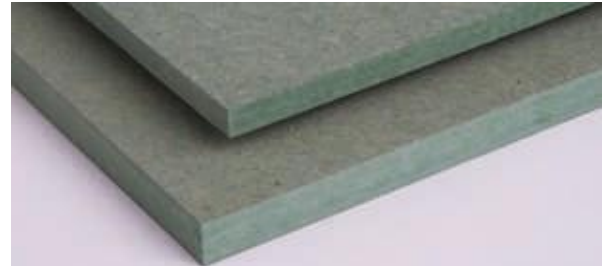


HIGH DENSITY FIBREBOARD
HIGH MOISTURE RESISTANCE (V313)

- Resistance to moisture better than most Particle board and MDF.
- Pass the 3 cyclic test (V313)
- Suitable for using in high humidity Such as kitchens, bathrooms, etc.

- Standard size: 4 x 8 ft, 6 x 8 ft
- Thickness on MDF: 2.5-40 mm

- Thickness on Particle Board: 8-38 mm



HIGH MOISTURE RESISTANT BOARD (V313)

- Durable material provides intensive support against pressure and highly refined surface.
- Suitable for cornice, moulding, color coating for glossy surface and built-in furniture that requires highly durable.

- Standard size: 4 x 8 ft, 6 x 8 ft

- Thickness: 12 – 30 mm



HIGH DENSITY FIBREBOARD

- Particle board consists of the top and bottom layer process refined texture with the middle layer whose texture is rougher.
- Suitable for interior design or built-in furniture.

- Standard size: 4 x 8 ft, 6 x 8 ft

- Thickness: 8-38 mm



PARTICLE BOARD

- Refined surface, smooth, homogeneous.
- Suitable for cornice, moulding, color coating for glossy surface and built-in furniture requires highly durable

- Standard size: 4 x 8 ft, 6 x 8 ft

- Thickness: 1.5-40 mm



MEDIUM DENSITY FIBREBOARD



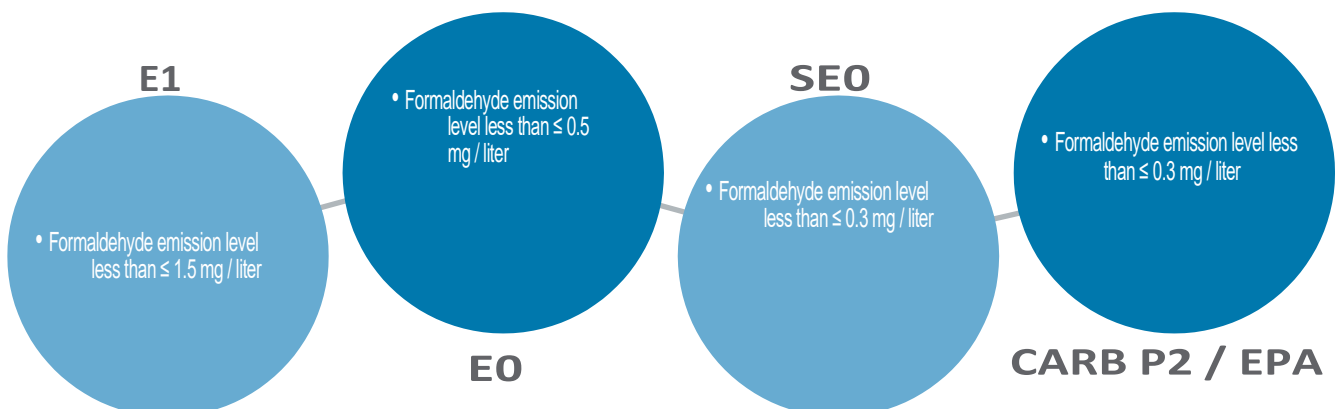
Air Safety Glue

Choose Wood Panel, Choose Air Safety Glue

. With Air Safety Glue Technology , it helps the bonding of our wood panels with the limited Formaldehyde release of less than 1.5 milligrams per liter.

Features or AIR safety Glue Technology

1. Low formaldehyde emission control according to European Standard (E1).
2. Odorless, no irritation to eyes or nose.
3. Safe and Ready to assembly.
4. Safer to your health.



**MAIN PROPERTIES OF PARTICLE BOARD
FOLLOW BY EN 312 : 2010
STANDARD SIZE : 4'X8', 6'X8' THICKNESS : 8-38 mm**

PROPERTIES	UNIT	BOARD FOR INTERIOR FITMENTS					TEST METHOD
		RANGE OF NOMINAL THICKNESS (mm)					
		>6.0-13.0	>13.0-20.0	>20.0-25.0	>25.0-32.0	>32.0-38.0	
THICKNESS TOLERANCE	mm	±0.3					EN 324-1
LENGTH & WIDTH TOLERANCE	mm	±5.0					EN 324-1
MOISTURE CONTENT	(%)	5-13					EN 322
SURFACE SOUNDNESS (SS)	N/mm ²	0.8					EN 311
DENSITY	kg/m ³	680-730	640-690	620-670	600-650	600-650	EN 323
DENSITY TOLERANCE**	kg/m ³	±10%					EN 323
MODULUS OF RUPTURE (MOR)	N/mm ²	11.0	11.0	10.5	9.5	8.5	EN 310
MODULUS OF ELASTICITY (MOE)	N/mm ²	1,800	1,600	1,500	1,350	1,200	EN 310
INTERNAL BOND (IB)	N/mm ²	0.40	0.35	0.30	0.25	0.20	EN 319
INTERNAL BOND (IB) AFTER THREE CYCLIC TEST	N/mm ²	-					EN 321,319
THICKNESS SWELLING AFTER THREE CYCLIC TEST	Max(%)	-					EN 321,317
THICKNESS SWELLING: 24 HRS.	Max(%)	-					EN 317
SCREW HOLDING	N	N/A	ON FACE 500*, ON EDGE 300*				EN 320
FORMALDEHYDE CONTENT: CLASS (E1)	mg/100g oven dry board	Content ≤8					EN 120
FORMALDEHYDE EMISSION: CARB	ppm	≤0.09					ASTM D6007

Remark:
*Screw retaining test is not applicable to the board of thickness less than 15 mm
**Density : Tolerance on density within a board = 10% (EN323)

**MAIN PROPERTIES OF HIGH MOISTURE RESISTANT PARTICLE BOARD
FOLLOW BY EN 312 : 2010
STANDARD SIZE : 4'X8', 6'X8' THICKNESS : 8-38 mm**

PROPERTIES	UNIT	MOISTURE RESISTANCE PARTICLE BOARD (V313)					TEST METHOD
		RANGE OF NOMINAL THICKNESS (mm)					
		>6.0-13.0	>13.0-20.0	>20.0-25.0	>25.0-32.0	>32.0-38.0	
THICKNESS TOLERANCE	mm	±0.3					EN 324-1
LENGTH & WIDTH TOLERANCE	mm	±5.0					EN 324-1
MOISTURE CONTENT	(%)	5-13					EN 322
SURFACE SOUNDNESS (SS)	N/mm ²	0.8					EN 311
DENSITY	kg/m ³	690-740	680-730	670-720	660-710	660-710	EN 323
DENSITY TOLERANCE**	kg/m ³	±10%					EN 323
MODULUS OF RUPTURE (MOR)	N/mm ²	15.0	14.0	12.0	11.0	9.0	EN 310
MODULUS OF ELASTICITY (MOE)	N/mm ²	2,050	1,950	1,850	1,700	1,550	EN 310
INTERNAL BOND (IB)	N/mm ²	0.45	0.45	0.40	0.35	0.30	EN 319
INTERNAL BOND (IB) AFTER THREE CYCLIC TEST	N/mm ²	0.15	0.13	0.12	0.10	0.09	EN 321,319
THICKNESS SWELLING AFTER THREE CYCLIC TEST	Max(%)	14.0	13.0	12.0	12.0	11.0	EN 321,317
THICKNESS SWELLING: 24 HRS.	Max(%)	17.0	14.0	13.0	13.0	12.0	EN 317
SCREW HOLDING	N	N/A	ON FACE 500*, ON EDGE 300*				EN 320
FORMALDEHYDE CONTENT: CLASS (E1)	mg/100g oven dry board	Content ≤8					EN 120
FORMALDEHYDE EMISSION: CARB	ppm	-					ASTM D6007

Remark:
*Screw retaining test is not applicable to the board of thickness less than 15 mm
**Density : Tolerance on density within a board = 10% (EN323)

**MAIN PROPERTIES OF MEDIUM DENSITY FIBREBOARD (MDF)
FOLLOW BY EN 622-1:2003, EN 622-5:2006
STANDARD SIZE : 4'X8', 6'X8' THICKNESS : 1.5-40 mm**

PROPERTIES	UNIT	RANGE OF NOMINAL THICKNESS (mm)										TEST METHOD
		1.5-2.5	>2.5-4.0	>4.0-6.0	>6.0-9.0	>9.0-12.0	>12.0-15.0	>15.0-19.0	>19.0-30.0	>30.0-40.0		
THICKNESS TOLERANCE	mm	±0.2								±0.3		EN 324-1
LENGTH & WIDTH TOLERANCE	mm	±5.0										EN 324-1
DENSITY	kg/m ³	780-820	780-820	740-780	740-780	720-760	690-730	670-710	640-680	600-640	EN 323	
DENSITY TOLERANCE**	kg/m ³	±7%										EN 323
MODULUS OF RUPTURE (MOR)	N/mm ²	23.0	23.0	23.0	23.0	22.0	20.0	20.0	18.0	17.0	EN 310	
MODULUS OF ELASTICITY (MOE)	N/mm ²	None	None	2,700	2,700	2,500	2,200	2,200	2,100	1,900	EN 310	
INTERNAL BOND (IB)	N/mm ²	0.65	0.65	0.65	0.65	0.60	0.55	0.55	0.55	0.50	EN 319	
MOISTURE CONTENT	(%)	4-11										EN 322
THICKNESS SWELLING: 24 HRS.	(%)	45.0	35.0	30.0	17.0	15.0	12.0	12.0	10.0	8.0	EN 317	
SCREW HOLDING: FACE	N	N/A					1,000*					EN 320
EDGE	N	N/A					800*					
FORMALDEHYDE CONTENT: CLASS (E1)	mg/100g oven dry board	Content ≤8										EN 120
: CLASS (E2)	mg/100g oven dry board	8< Content ≤30										
FORMALDEHYDE CARB	ppm	≤0.13**					≤0.11					ASTM D6007

Remark:
*Screw withdrawal test on board of ≥15 mm thickness
**Thin MDF maximum thickness 8 mm

PHYSICAL PROPERTIES MDF-HMR, HDF, HDF-HMR

MAIN PROPERTIES OF HIGH MOISTURE RESISTANT MEDIUM DENSITY FIBREBOARD FOLLOW BY EN 622-1:2003, EN 622-5:2006 STANDARD SIZE : 4'X8', 6'X8' THICKNESS : 2.5-40 mm

PROPERTIES	UNIT	REQUIREMENTS FOR GENERAL PURPOSE FOR USE IN HUMID CONDITIONS (TYPE MDF-H)										TEST METHOD
		RANGE OF NOMINAL THICKNESS (mm)										
		1.5-2.5	>2.5-4.0	>4.0-6.0	>6.0-9.0	>9.0-12.0	>12.0-15.0	>15.0-19.0	>19.0-30.0	>30.0-40.0		
THICKNESS TOLERANCE	mm	±0.2								±0.3		EN 324-1
LENGTH & WIDTH TOLERANCE	mm	±5.0										EN 324-1
DENSITY	kg/m ³	780-820	780-820	740-780	740-780	720-750	690-720	670-700	630-660	620-630	EN 323	
DENSITY TOLERANCE**	kg/m ³	±7%										EN 323
MODULUS OF RUPTURE (MOR)	N/mm ²	27.0	27.0	27.0	27.0	26.0	24.0	24.0	22.0	17.0	EN 310	
MODULUS OF ELASTICITY (MOE)	N/mm ²	2,700	2,700	2,700	2,700	2,500	2,400	2,400	2,300	2,200	EN 310	
INTERNAL BOND (IB)	N/mm ²	0.70	0.70	0.70	0.80	0.80	0.75	0.75	0.75	0.70	EN 319	
OPTION 1												
INTERNAL BOND (IB) AFTER THREE CYCLIC TEST: MIN.	N/mm ²	0.35	0.35	0.35	0.30	0.25	0.20	0.20	0.15	0.10	EN 321, 319	
INTERNAL BOND (IB) AFTER THREE CYCLIC TEST: MAX.	(%)	50.0	40.0	25.0	19.0	16.0	15.0	15.0	15.0	15.0	EN 321, 317	
OPTION 2												
INTERNAL BOND (IB) AFTER BOIL TEST: MIN.	N/mm ²	0.20	0.20	0.20	0.15	0.15	0.12	0.12	0.12	0.10	EN 1087-1	
MOISTURE CONTENT	(%)	4-11										EN 322
THICKNESS SWELLING: 24 HRS.: MAX.	(%)	35.0	30.0	18.0	12.0	10.0	8.0	8.0	7.0	7.0	EN 317	
SCREW HOLDING: FACE	N	N/A					1,000*					EN 320
: EDGE	N	N/A					800*					
FORMALDEHYDE CONTENT: CLASS (E1)	mg/100g oven dry board	Content ≤8										EN 120
: CLASS (E2)	mg/100g oven dry board	8< Content ≤30										
FORMALDEHYDE CARB	ppm	≤0.13**					≤0.1!					ASTM D6007

Remark:
*Test on 15 mm and above
**Thin board ≤8 mm

MAIN PROPERTIES OF HIGH DENSITY FIBREBOARD (HDF) STANDARD SIZE : 4'X8', 6'X8' THICKNESS : 12-30 mm

PROPERTIES	UNIT	RANGE OF NOMINAL THICKNESS (mm)							TEST METHOD
		1.5-2.5	>2.5-4.0	>4.0-6.0	>6.0-9.0	>9.0-12.0	>12.0-15.0	>15.0-19.0	
THICKNESS TOLERANCE	mm	±0.2							EN 324-1
LENGTH & WIDTH TOLERANCE	mm	±5.0							EN 324-1
DENSITY	kg/m ³	>800-850							EN 323
DENSITY TOLERANCE**	kg/m ³	±7%							EN 323
MODULUS OF RUPTURE (MOR)	N/mm ²	23.0	23.0	23.0	23.0	22.0	20.0	20.0	EN 310
MODULUS OF ELASTICITY (MOE)	N/mm ²	None	None	2,700	2,700	2,500	2,200	2,200	EN 310
INTERNAL BOND (IB)	N/mm ²	0.65	0.65	0.65	0.65	0.60	0.55	0.55	EN 319
MOISTURE CONTENT	(%)	4-11							EN 322
THICKNESS SWELLING: 24 HRS.	(%)	45.0	35.0	30.0	17.0	15.0	12.0	12.0	EN 317
SCREW HOLDING: FACE	N	N/A					1,000*		EN 320
: EDGE	N	N/A					800*		
FORMALDEHYDE CONTENT: CLASS (E1)	mg/100g oven dry board	Content ≤8							EN 120
: CLASS (E2)	mg/100g oven dry board	8< Content ≤30							
FORMALDEHYDE CARB	ppm	≤0.13**				≤0.1!			ASTM D6007

Remark:
*Screw withdrawal test on board of ≥15 mm thickness
**Thin MDF maximum thickness 8 mm

MAIN PROPERTIES OF HIGH MOISTURE RESISTANT HIGH DENSITY FIBREBOARD (HDF-HMR) STANDARD SIZE : 4'X8', 6'X8' THICKNESS : 12-30 mm

PROPERTIES	UNIT	RANGE OF NOMINAL THICKNESS (mm)	TEST METHOD
		>15.0-19.0	
THICKNESS TOLERANCE	mm	±0.2	EN 324-1
LENGTH & WIDTH TOLERANCE	mm	±5.0	EN 324-1
DENSITY	kg/m ³	800-850	EN 323
DENSITY TOLERANCE**	kg/m ³	±7%	EN 323
MODULUS OF RUPTURE (MOR) : MIN.	N/mm ²	≥32	EN 310
MODULUS OF ELASTICITY (MOE) : MIN.	N/mm ²	>3,000	EN 310
INTERNAL BOND (IB) : MIN.	N/mm ²	≥1.0	EN 319
MOISTURE CONTENT	(%)	4-11	EN 322
THICKNESS SWELLING: 24 HRS.: MAX.	(%)	≤4	EN 317
SCREW HOLDING: FACE	N	≥1,000*	EN 320
: EDGE	N	≥800*	
INTERNAL BOND (IB) AFTER THREE CYCLIC TEST: MIN.	N/mm ²	≥0.2	EN 321, 319
INTERNAL BOND (IB) AFTER THREE CYCLIC TEST: MAX.	(%)	≤15.0	EN 321, 317

Remark:
*Test on 15 mm and above

MAIN PROPERTIES OF FLAME RETARDANT MEDIUM DENSITY FIBRE BOARD
FOLLOW BY EN 622-1:2003, EN 622-5:2006
STANDARD SIZE: 4'X8' THICKNESS: 6, 9, 12, 18 mm

PROPERTIES	UNIT	RANGE OF NOMINAL THICKNESS (mm)										TEST METHOD
		1.5-2.5	>2.5-4.0	>4.0-6.0	>6.0-9.0	>9.0-12.0	>12.0-15.0	>15.0-19.0	>19.0-30.0	>30.0-40.0		
THICKNESS TOLERANCE	mm	±0.2								±0.3		EN 324-1
LENGTH & WIDTH TOLERANCE	mm	±5.0										EN 324-1
DENSITY	kg/m ³	780-820	780-820	740-780	740-780	720-760	690-730	670-710	640-680	600-640	EN 323	
DENSITY TOLERANCE**	kg/m ³	±7%										EN 323
MODULUS OF RUPTURE (MOR)	N/mm ²	23.0	23.0	23.0	23.0	22.0	20.0	20.0	18.0	17.0	EN 310	
MODULUS OF ELASTICITY (MOE)	N/mm ²	None	None	2,700	2,700	2,500	2,200	2,200	2,100	1,900	EN 310	
INTERNAL BOND (IB)	N/mm ²	0.65	0.65	0.65	0.65	0.60	0.55	0.55	0.55	0.50	EN 319	
MOISTURE CONTENT	(%)	4-11										EN 322
THICKNESS SWELLING: 24 HRS.	(%)	45.0	35.0	30.0	17.0	15.0	12.0	12.0	10.0	8.0	EN 317	
SCREW HOLDING: FACE	N	N/A					1,000*					EN 320
: EDGE	N	N/A					800*					
FORMALDEHYDE CONTENT: CLASS (E1)	mg/100g oven dry board	Content ≤8										EN 120
: CLASS (E2)	mg/100g oven dry board	8< Content ≤30										
THE CLASSIFICATION OF THE SURFACE SPREAD OF FLAME OF PRODUCTS	-	Class 1										BS 476:Part 7: 1997

Remark:
*Screw withdrawal test on board of ≥15 mm thickness



Resistance to Scratches

PHYSICAL PROPERTIES OF MELAMINE SURFACE
REFERENCE: BRITISH STANDARD EN 14323: 2004

Resistance to Abrasion

Resistance to Heat

Steam Resistance



Resistance to stains

Resistance to Cracks

Resistance to
Cigarette Burn

INDEX COLLECTION

Code	Name	Surface	Size	Page	Code	Name	Surface	Size	Page
073	Sandstone	Pearl	6'	25	AV1	Onyx Oak	Finoline	6'	17
097	Silver	Pearl/Alutex	6'	25	AV2	Smoke Onyx Oak	Woodrift	6'	17
0B8	White Wash	Woodrift	6'	11	AV3	Dark Cornwall Oak	Woodrift	6'	14
0J6	Cherry	Matt Woodgrain	4' & 6'	18	AV4	Hokaido Elm	Woodrift	6'	14
0M1	Linosa	Woodrift	6'	16	AV5	Vintage Oak	Woodrift/Iconic Wood	6'	15
0M3	White	Mirror Gloss	4' & 6'	25	AV6	Berg Oak	Super Matt	6'	13
0R8	Rijeka Oak	Woodrift	6'	11	AV7	Cornwall Oak	Woodrift	6'	14
0S1	Wyoming Maple	Woodrift	6'	16	AV8	Burgundy	Canvas/Matt	6'	25
0V1	Tweed	Textile	6'	19	AV9	Navy Blue	Canvas/Matt	6'	24
0W4	Linen Smoke	Textile	6'	19	AW1	Mud Brown	Matt/Canvas	6'	25
0W5	Linen Topaz	Textile	6'	19	AW2	Forest Oak Grey	Forest Oak	6'	5
0X1	Italian Abete	Woodrift	6'	12	AW3	Forest Oak Natural	Forest Oak	6'	4
0X4	Faggiona	Woodrift	6'	15	AW4	Forest Oak	Forest Oak	6'	5
0X5	Tessuto	Textile	6'	19		Mid Brown			
67B	Cherry Capucino	Matt Woodgrain	4' & 6'	18	AW5	Forest Oak	Forest Oak	6'	4
69A	Oak	Matt Woodgrain	6'	18		Dark Brown			
AA3	Denim Grizzly	Textile	6'	19	AY5	Lady Pink	Pearl	6'	25
AA7	Classic Teak	Matt Woodgrain	6'	16	AY6	Green Lime	Pearl	6'	24
AA8	Unique Oak	Woodrift	6'	17	AY7	Turquoise	Pearl	6'	24
AB5	Honey Oak	Woodrift	6'	12	AY8	Blue Sky	Pearl	6'	24
AE2	Ladinia	Alutex	6'	18	BC4	Corrosie	Plaster	6'	22
AE9	White	Mini Pearl/ Matt	4' & 6'	25	BC5	Limestone	Plaster	6'	22
AG2	Fineline Mocha	Matt Woodgrain	4'	16	BC6	Travertine	Concrete	6'	22
AG3	Modioak241A	Matt Woodgrain	4' & 6'	18	BC7	Puritan Linen	Canvas	6'	19
AG9	Shimo Ash	Matt Woodgrain	6'	14	BC8	Denim Twist	Canvas	6'	19
AH7	Minim Grey	Finoline	6'	12	BC9	Cotone	Canvas	6'	19
AH9	Gentle Rovere	Woodrift	6'	13	BD1	Haze Marble	Super Matt	6'	21
AJ1	Warm Rovere	Woodrift	6'	12	BD2	Thunder Marble	Super Matt/ Mirror Gloss	6'	21
AJ2	Cottage Oak	Matt	6'	14					
AJ3	Stellar Oak	Woodrift	6'	12	BD3	Nordic Grey	Mirror Gloss/ Stipple Matt	6'	21
AJ4	Barkwalnut	Alutex	6'	16					
AJ5	Le Charcoal	Alutex	6'	16	BD4	Himala Rovere	Matt Woodgrain	6'	12
AJ6	Camel Zilk	Textile	6'	19	BD5	Nature Chestnut	Matt Woodgrain	6'	14
AJ7	Silver Zilk	Textile	6'	19	BD6	Volcanic Ash	Woodrift	6'	17
AJ8	Dark Otter Zilk	Textile	6'	19	BD7	Maison Oak	Woodrift	6'	12
AJ9	Ashlandic	Woodrift	6'	14	BD8	Twilight Elm	Matt Woodgrain	6'	17
AK1	White Malt Oak	Woodrift	6'	11	BD9	Aged Teak	Matt Woodgrain	6'	17
AP1	Swiss Elm Light	Swiss Elm	6'	9	BE1	Noce Cocoa	Matt Woodgrain	6'	16
AP2	Swiss Elm Warm	Swiss Elm	6'	9	BE2	Bruno Ash	Matt Woodgrain/ Iconic Wood	6'	15
AP3	Foxy Ash	Woodrift	6'	15					
AP4	Breeze Oak	Woodrift	6'	13	BE3	Mystic Blue	Super Matt	6'	24
AP5	Noce Champagne	Alutex	6'	15	BE4	Carbon Grey	Matt	6'	24
AP7	Rhodes	Woodrift	6'	13	BE5	Terra Cotta	Matt	6'	25
AP8	Amberes Oak	Woodrift	6'	12	BJ3	Honey Elm	Matt Woodgrain	4'	15
AP9	Homie Eucalyptus	Stipple Matt	6'	13	BJ4	Anchor Chestnut	Matt Woodgrain	6'	17
AQ1	Lava Acacia	Matt Woodgrain	6'	16	BJ5	Sierra Marble	Stipple Matt	6'	21
AQ2	Grand Oak	Woodrift	6'	14	BJ6	Moonlight Marble	Stipple Matt	6'	21
AQ3	Fumed Oak	Finoline	6'	16	BJ7	Sand Sterling	Cross Metal/Mini Pearl	6'	23
AQ4	Rovere Mara	Finoline	6'	13	BJ8	Grey Sterling	Cross Metal/Mini Pearl	6'	23
AQ5	Brooklyn	Stipple Matt	6'	22	BJ9	Bonfire Rain	Fino Metal/Matt	6'	23
AQ9	Oak Pegasus	Woodrift	6'	13	BK1	Smoky Rain	Fino Metal/Matt	6'	23
AR7	Swiss Elm Sand	Swiss Elm	6'	8	BK2	Foss Zilk	Cross Metal/Matt	6'	23
AR8	Swiss Elm Champagne	Swiss Elm	6'	8	BK3	Emperor Walnut	Matt Woodgrain	6'	15
					BK4	Ash Zilk	Cross Metal/Matt	6'	23
AR9	Swiss Elm Amber	Swiss Elm	6'	8	BK5	Rosie Aluminum	Fino Metal/Mini Pearl	6'	23
AS5	Noce Nogaro	Woodrift	6'	15	BK6	Silver Aluminum	Fino Metal/Mini Pearl	6'	23
AS7	Galaxy Grey	Matt/Canvas	6'	25	BK7	Marcelo Ash	Matt Woodgrain	6'	11
AS9	Avignon	Woodrift	6'	12	BK8	Caramel Oak	Matt Woodgrain	6'	14
AT1	Black MK260	Pearl	4' & 6'	24	BK9	Cinder Oak	Finoline	6'	17
AT1	Black MK260	Swiss Elm	6'	9	BL1	Cloudy Twist	Canvas	6'	19
AT1	Black MK260	Terra Walnut	6'	7	BL2	Magnum Walnut	Fino Metal/ Matt Woodgrain	6'	16
AT1	Black MK260	Forest Oak	6'	5					
AT3	Terra Walnut	Terra Walnut	6'	6	BL5	Calacatta Marble	Super Matt	4'	21
	Light Blonde				C34	Walnut	Matt Woodgrain	6'	18
AT4	Terra Walnut	Terra Walnut	6'	6	MFD0125	Natural Oak	Matt Woodgrain	6'	18
	Golden Blonde				MFD205	Beech	Matt Woodgrain	4' & 6'	18
AT5	Terra Walnut	Terra Walnut	6'	7	MFI599	Beige	Pearl	6'	25
	Darkest Blonde				MFI650	Blue (Dark)	Pearl	6'	24
AT7	Rugged Pine	Finoline	6'	17	MK203	Grey	Pearl	4' & 6'	24
AT9	She%old Oak	Woodrift	6'	17	MK3200	Graphite	Pearl	4' & 6'	24
AU1	Grey stone	Concrete/Canvas	6'	22	MK3238	Grey	Alutex/ Pearl	6'	24
AU2	Granite	SuperMatt/Concrete	6'	21	MK3258	Grey	Pearl	4' & 6'	24
AU3	Midnight Marble	Mirror Gloss	6'	21	MK3995	Ivory	Pearl	6'	25
AU4	Saturn Oak	Super Matt	6'	17	MK630	White	Pearl/ Alutex	4' & 6'	25
AU5	Mocha Walnut	Woodrift	6'	15	MK630N	White	Pearl/ Matt	4' & 6'	25
AU6	Rovere Cornish	Finoline	6'	13	MK630N	White	Swiss Elm	6'	9
AU7	Antique Railway	Finoline	6'	13	MK630N	White	Terra Walnut	6'	7
AU8	Urban Rustic	Concrete	6'	22	MK630N	White	Forest Oak	6'	5
AU9	Subterranean Wood	Stipple Matt	6'	16	MM325	Maple	Matt Woodgrain	4' & 6'	18

 ABS Edgbanding
Available in stock (1 x 22 mm)

 Lacquer High Gloss
Coated with single side on MF-MDF over 16 mm (4' x 8')



CHOW CHOON

CORPORATION (M) SDN BHD
造寸機構有限公司
home centre (336684-H)

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