

WOODIUM...Wood Replacement Panels

WOODIUM®



WOODIUM®

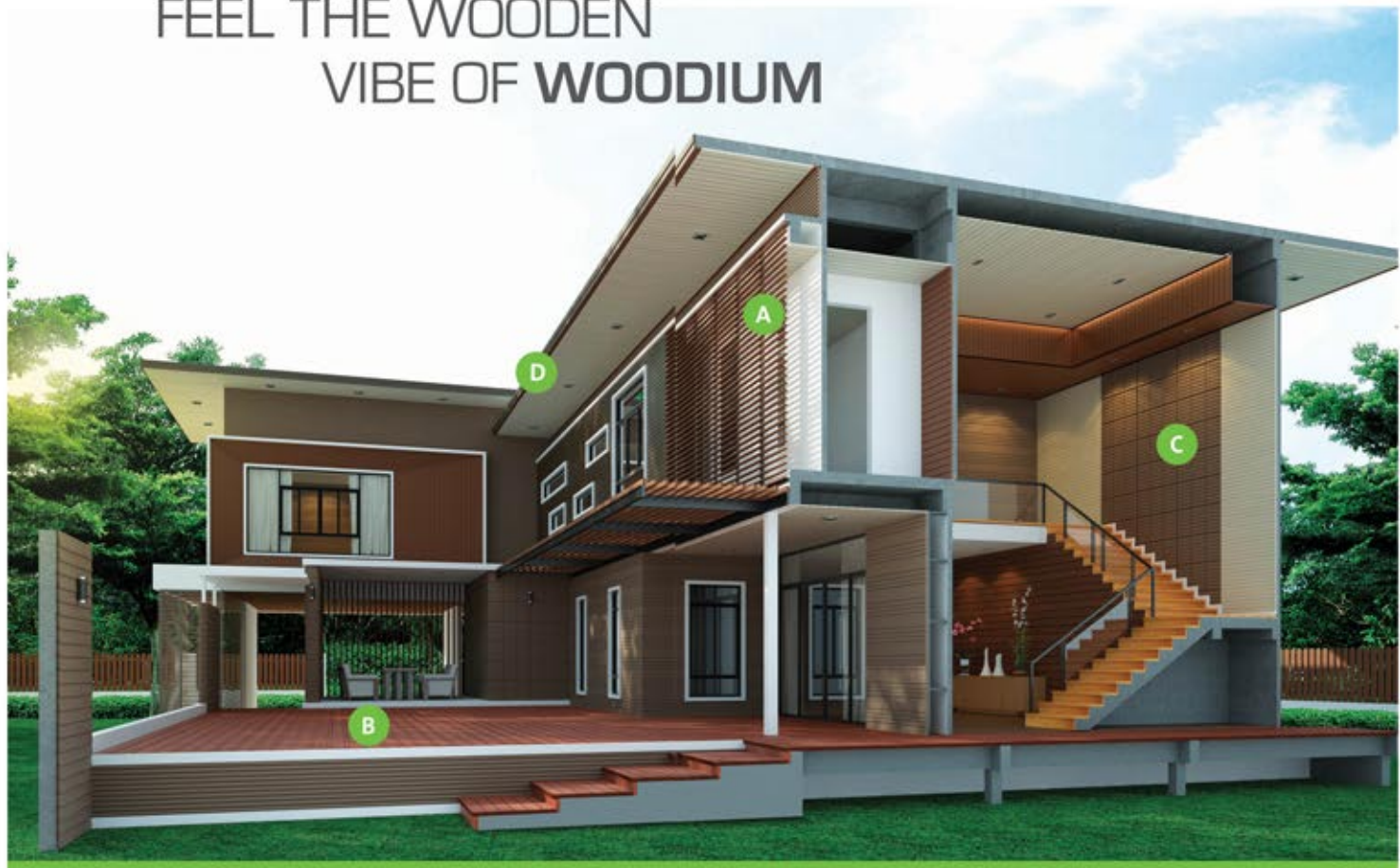
Email: support@woodium.co.in Web : www.woodium.co.in



WOODIUM PRODUCTS CATALOG

EXTERIOR
GRADE DECORATIVE
PANELS

FEEL THE WOODEN VIBE OF **WOODIUM**



WOODIUM apply anywhere.

- | | |
|-------------------------|------------------------|
| A SUNSHADE/FENCE | B DECK FLOORING |
| C WALL/FAÇADE | D CEILING |

WOODIUM always strive to enhance beauty of your surroundings without harming nature. Our Philosophy focuses on maintaining the balance of our ecosystem. We have committed ourselves to use technology that is non-toxic and nature friendly that's why we are using conwood marine panel as raw material.



Beauty as
a real wood



Weather
resistant



Easy to install
& Time-saving



Fire resistant



Termite free



Asbestos free

WOODIUM®



WOODIUM...We value the nature

Innovative Range For Beautiful World

Saving Nature & Paying attention towards it, is our mission. **Woodium** production technology utilizes conwood marine panel as raw material which supports green technology and focus on saving environment. Woodium supports ecofriendly system and green products to build better future.

WOODIUM a multipurpose decorating product which can be applied to ceiling, wall, floor and many more places. It is guaranteed on product quality and certified for green label by leading institutions.



Green Product (Green Label Certificate)
certified by Singapore
Eco-friendly Building Material
022-044-032



Top Production Technology

WOODIUM A Quality Product With High Standards.



WOODIUM... is a perfect combination of beauty and strength it is produced from marine panel which is made up of high quality Portland cement and special formula cellulose fiber resulting in a unique propertied product with beauty and flexibility compatible to natural wood but as strong as concrete. The most significant point is its economy compare to natural wood or other similar products. **WOODIUM** is available from 11mm thickness and goes up to 25mm [11, 14, 16, 18, 22, 25 mm]. It is durable to all weather conditions, less weight and cost thus effectively respond to all designs and life styles which cover all needs and functional requirements

WOODIUM SLEEK PANELS

Woodium is solution to all design creativity with its remarkable wooden look. Convenient installation process gives your wall an elegant yet outstanding look. Applicable to all area like wall, ceiling, façade etc.

- Applicable to interior and exterior works.
- Beauty as real wood.
- Modern design with various application as you wish.



Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)	Area (sqft)
Décor Panel Alpha 0	11	245	2400	9.34	6.33
			3050	11.68	8.04
Décor Panel Beta 1	11	245	2400	8.61	6.33
			3050	10.77	8.04
Décor Panel Gamma 3	11	245	2400	7.86	6.33
			3050	9.83	8.04
Décor Panel Delta 6	11	245	2400	7.26	6.33
			3050	9.08	8.04
Décor Panel Narrow Line	11	200	2400	6.04	5.16
			3050	7.56	6.56
Décor Panel Wide Line	11	200	2400	5.74	5.16
			3050	7.18	6.56
Flute	11	200	2400	5.88	5.16
			3050	7.47	6.56
Spline	11	290	2400	8.88	7.49
			3050	11.28	9.52
Semi Round	11	200	1500	3.67	3.23
Scollop	11	200	1500	3.22	3.23
Taper	11	200	1500	3.15	3.23
Breakers	11	200	1500	2.92	3.23
M Tyson	11	125	3050	5.94	4.1
Bars	11	200	1500	3.52	3.23
H too One	11	120	3050	5.8	3.93



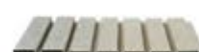
Décor Panel Alpha 0



Décor panel Beta 1



Décor Panel Gamma 3



Décor Panel Delta 6



Décor Panel Narrow Line



Décor Panel Wide Line



Flute



Spline



Semiround



Scollop



Taper



Breakers



M Tyson



Bars

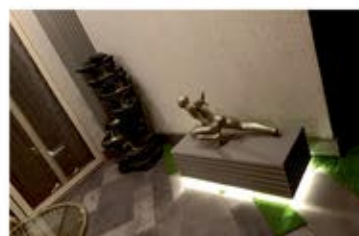


H too One

WOODIUM URBAN PANELS

Woodium new arrival delivers to all design with easy solution and creativities. It can be adapted to responed to many functions and gives you a beauty of natural wood with its extra ordinary quality suitable for all interiors & exteriors of buildings

- Applicable to many functional designs
- Fine wood grain texture similar to natural wood
- Durable and resistable to all weather conditions
- Applicable to indoor and outdoor decorations



Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)	Area (sqft)
Kapok	16	150	1500	3.45	2.42
			2400	5.52	3.87
			3050	7.01	4.92
Ocean	16	150	1500	3.37	2.42
			2400	5.4	3.87
			3050	6.86	4.92
Willow Lock	16	150	1500	3.75	2.42
			2400	6	3.87
			3050	7.62	4.92
Pie	16	245	2400	10.8	6.33
			3050	13.57	8.04
Stick	18	100	2400	5.4	2.58
			3050	6.86	3.28
Neptune	22	260	2400	14.88	6.71
			3050	18.91	8.53
Pyramid	22	163	2400	9.72	4.21
			3050	12.35	5.35
Stick 1"	25	100	2400	7.44	2.58
			3050	9.45	3.28
Twig	25	100	2400	5.64	2.58



Kapok



Ocean



Willow Lock



Pie



Stick



Neptune



Pyramid



Stick 1"



Twig

WOODIUM MOLDING

Woodium Mold can be fixed tightly to any wall with inspiring beauty. It is resistible to moisture that helps to protect it from any kind of cleaning activity.

- Tight fixed to the wall
- Convenient and quick installation
- Perfect match with any kind of the wall
- Durable to all weather conditions

Floor SKIRTING

Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)	Area (sqft) (kg/Pc)
Floor Skirting	14	100	2400	4.08	2.58
	14	100	3050	5.18	3.28



WOODIUM Wall Mold

Description	Thickness (mm)	Width (mm)	Length (mm)
Woodium A-16	16	30	1500
			2400
Woodium B-22	22	45	1500
			3050
Woodium C-25	25	88	1500
			3050



WOODIUM POOL DECK / STAIRS

It is a product of high technology production to perfectly respond to all designs perspectives. Gives you a splendid touch or natural wood feeling with notable strength to forceful impact suitable for tread finishing material.

- Applicable to all kind of surface decorations.
- Convenient and quick installation.
- Strong and durable.

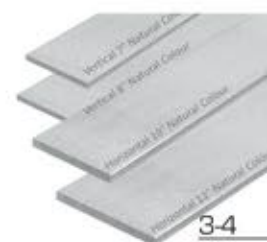
WOODIUM POOL DECK

Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)	Area (sqft) (kg/Pc)
Pool Deck	25	150	2400	12.48	3.87
	25	150	3050	15.86	4.92



WOODIUM STAIRS

Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)
Vertical 7"	16	180	1200	4.4
	16	180	1500	5.4
Vertical 8"	16	200	1200	4.9
Horizontal 10"	25	250	1200	9.6
Horizontal 12"	25	300	1200	11.3
	25	300	1500	14.2
Handrail	25	85	3050	8



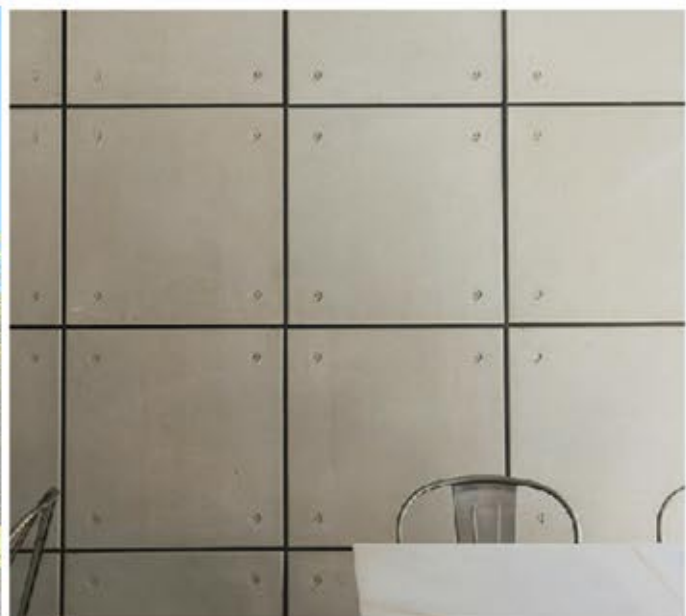
WOODIUM CONCRETE PANEL

New alternative of home decoration with woodium decorative panels. Beauty possess through modern designs with its edge for convenient and quick installation. Suitable for both Exterior & Interior works.

- Beauty, light weight and convenient installation.
- Durable to all weather conditions.
- Modern design with various application.
- Beautiful as real wood.



Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)	Area (sqft) (kg/Pc)
600 x 600	11	600	600	5.95	3.87
600 x 1200	11	600	1200	11.9	7.75



WOODIUM EAVE

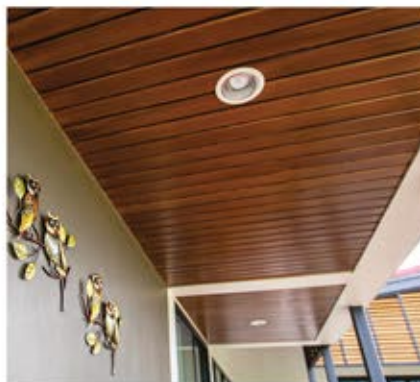
Reflecting a warmth tone of natural wood and responds to all creative designs. It is light weight and convenient in installation. Comes in natural color with wooden grains on it gives immense look to your surroundings. Works for both exterior and interior.

- Practically use in many applications
- Nicely apply to cover eave area
- Beauty as natural wood
- Quick installation



Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)	Area (sqft) (kg/Pc)
Eave	22	238	3050	18.52	7.81

WOODIUM DECORATIVE LATH

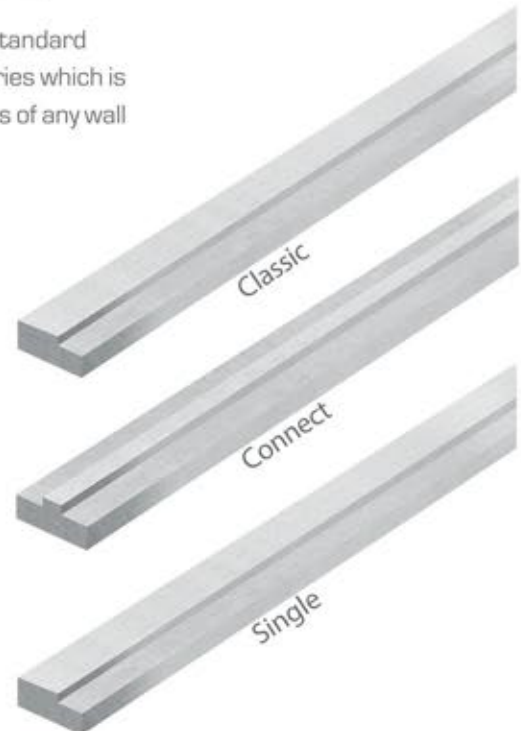


Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)	Area (sqft) (kg/Pc)
Lath	11	75	2400	2.64	1.93
	11	75	3050	3.35	2.46

WOODIUM DOOR FRAMES

Woodium door frame is produced by a quality production with high standard responding to a; need of creativities. It comes also with connect series which is able to intsaill a door on both sides of its frame. Applicable to all types of any wall and free from bending cause by moisture problem

- Applicable to all type of the walls
- Applicable to all kind of paint works
- Strong and durable
- Free from bending problem



- ⚠ 1. Require 4 hinges per door with tight screws for proper installation
- 2. Door weight should not exceed 40 kg
- 3. Total weight exclude packaging

Series	Product Properties				Height (mm)	Cross section
Classic	Width (mm)	700	800	900	2100	
	Weight (kg/piece)	29.47	30.27	30.87		
Connect	Width (mm)	700	800	900	2100	
	Weight (kg/piece)	26.43	27.03	27.47		
Single	Width (mm)	700	800	900	2100	
	Weight (kg/piece)	21.98	22.37	22.77		



GARDEN FENCE / SUNSHADE / PLANK

Designed to show its beauty of fine wood grain texture similar to natural wood. It can be adapted to respond to many functions and gives you the feel of real wood. It is suitable for interior and exterior modern designs for example wall, sunshade, column decoration, pergolas & fencing.



- Fine wood texture similar to natural wood appearance.
- Strong and durable designs.
- Applicable to Interior & Exterior Decoration



 This product is for decoration only. Do not use the products as main structure which directly carries weight.

Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)	Area (sqft) (kg/Pc)
Triangle	16	100	1500	2.98	1.61
Botany	16	100	1500	3.07	1.61
Classic	16	100	1500	3.07	1.61

WOODIUM SUNSHADE



Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)	Area (sqft) (kg/Pc)
Sunshade	14	75	3050	4.1	2.46

WOODIUM PLANK



Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)	Area (sqft) (kg/Pc)
Plank 2"	16	50	3050	3.12	1.64
	25	50	3050	4.88	1.64
Plank 3"	25	75	3050	7.32	2.46
Plank 4"	16	100	3050	6.25	3.28
	25	100	3050	9.76	3.28

WOODIUM MARINE PANEL

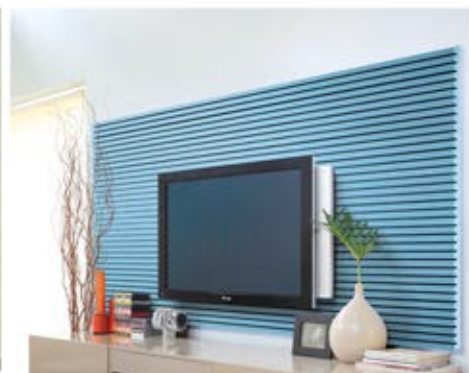
Woodium Marine panel is the newest innovative product from conwood which is a versatile plywood board replacement. This product can be used as partition walls, furniture counter top or the other decorative applications where plywood is used traditionally

- Fire Resistant/Water Resistant
- Applicable to many functional designs
- Carving, veneering paneling (cabinet panel)
- Table top (kitchen, toilet & other areas),
- Backer board and door skin

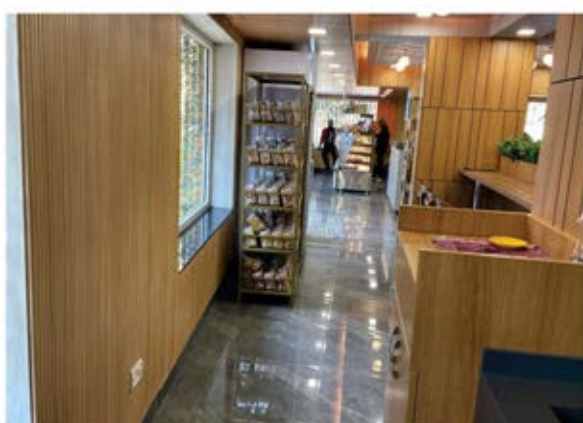


This product is for decoration only. Do not use the products as main structure which directly carries weight.

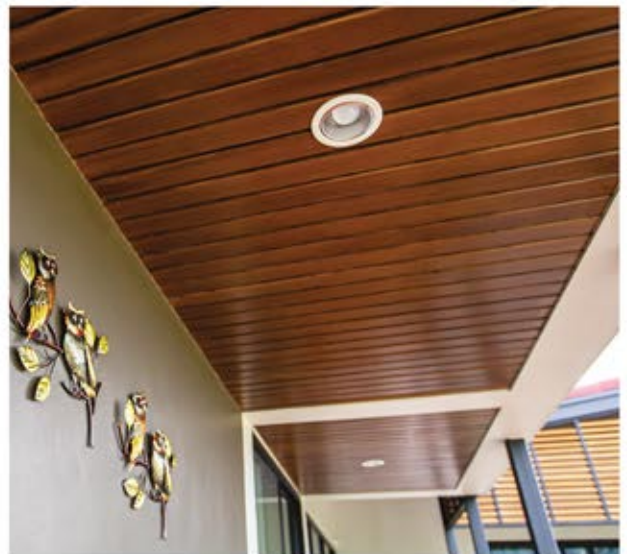
Description	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Pc)	Area (sqft) (kg/Pc)
Marine	11	1220	2440	41.25	32
	16	1220	2440	60.01	32
	18	1220	2440	67.51	32
	22	1220	2440	82.51	32
	25	1220	2440	93.76	32



PROJECT REFERENCES



PROJECT REFERENCES



TECHNICAL INFORMATION

PHYSICAL AND MECHANICAL PROPERTIES

	Standard	Unit	Test results
Thickness Tolerance	ASTM C1185	%	± 10
Density	BS EN 12467	g/cm ³	1.20 - 1.35
Moisture content	ASTM C1185	%	5.0 ± 2.0
Water absorption	ASTM C1185	%	≤ 30
Modulus of Rupture (Avg.)	BS EN 12467	MPa	≥ 7 (WET)
Modulus of Rupture (MD)	BS EN 12467	MPa	≥ 9 (WET)
Modulus of Rupture (MD)	ASTM C1185	MPa	≥ 11 (EMC)
Water impermeability	BS EN 12467	-	Pass
Moisture movement	BS EN 12467	%	0.05 - 0.10
Length change with water absorption (Totally dry to totally wet)	-	%	0.27

FIRE RESISTANCE PROPERTIES

Ignitability	BS 476 : Part 5	-	Pass
Fire propagation index	BS 476 : Part 6	-	I = 0, Pass
Surface spread of flame	BS 476 : Part 7	-	Class 1, Pass
Fire resistance*	BS 476 : Part 20, 22	Minutes	20

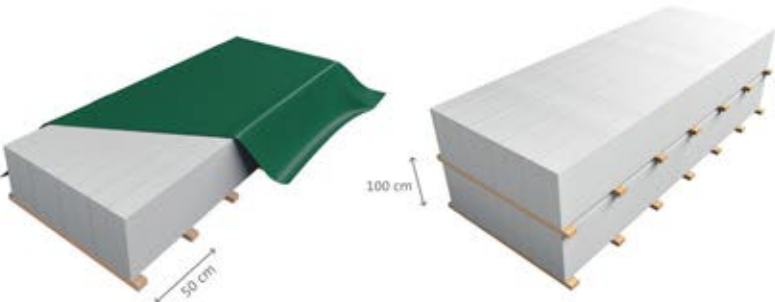
THERMAL PROPERTIES

Heat conduciveness	ASTM C177	W/m.k	0.184
Heat resistance	ASTM C177	m ² .K/W	0.082

DURABILITY PROPERTIES

Freeze-thaw resistance	ASTM C1185	-	Pass
Warm water resistance	ASTM C1185	-	Pass
Heat-rain resistance	ASTM C1185	-	Pass
Soak-dry resistance	ISO 8336	-	Pass

Storage and transportation woodium products



Woodium products should be stored on flat level and dry area with 1.5x3.0 inches wooden supporter at 50cm spacing. outdoor storages are advised to cover with canvas to protect it from rain water and dust.

Woodium products should be stored on flat level area with maximum height at 100cm supported by hardwood at 50cm apart.



Woodium planks should be carried by at least 2 people and always placed in vertical position. It should be lifted at a position of 50cm from both ends of the plank.