

 **FIRE
RETARDANT**

**100%
TERMITE
PROOF**



PVC/WPC CELUKA BOARD

A Perfect Wood Replacement

BOARDS | SHUTTERS | DOORS & FRAMES | DECKING & CLADDING



Celuka PVC TRUST FACTOR

CELUKA Cellular PVC

In the unique Woodtrek Celuka process, special extrusion tooling allows for quick cooling of the outer surface of the Celuka PVC material, and an inward expansion of the cellular PVC, resulting in a product profile with a hard, smooth outer surface and a strong cellular core.

Extruding the PVC around a torpedo-shaped device, and water-cooling, is what adds hardness in the Celuka process, and one reason we can confidently state Woodtrek PVC Celuka Board is the hardest surface in the industry. It also has the most exacting thicknesses ever manufactured.

You'll immediately notice the difference upon delivery, with no mars, dents or scratches. Builders will experience the WOODTREK difference as they nail, glue, drill, rout, and cut our products using their regular tools.

All WOODTREK products, look, feel and work just like high-quality wood, but are impervious to moisture, insects, and just about anything else Mother Nature can deal out. WOODTREK products won't swell, rot, split, delaminate, cup or craze, even under the harshest of conditions.

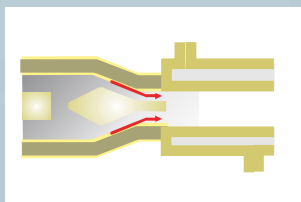
Call +91-130-6530209 to learn more about Celuka, and why it's so easy to make "The Hard Choice."

Learning From The Past

Few decades ago civil engineering proved that GI pipes are the best possibility to use under cover supply of water. But it is found that the G.I. pipes tend to corrode causing leakages and dampness that makes house structure horribly weak.

After mid 90's, PVC pipes came into the picture and proved the best replacement for G.I. pipes. This example of evolution proves

Simply WPC board is an ultimate replacement of wood with more life and less life-cycle cost.



- Paint it ■ Laminate it ■ Post Form it ■ Glue / Weld it ■ Rout it
- Edge Band it ■ PU it ■ Drill it ■ Screw it ■ Mill it ■ Saw it

Who We Are

Wood has been the most significant material in designing furniture and other interiors for ages. But today, using wood means bringing down thousands of trees just to beautify our materialistic needs. This leads to disruption in the eco-balance which transforms to bigger issues like Global Warming. Beside these natural problems, it's hard to maintain the lifecycle of wood crafted materials or furniture from the devastating attack of termites. It welcomes more extra expense for consumers to maintain such wood materials.

Woodtrek as a brand now replaces your wood related problems with rejoice, your ultimate solution for better and comfortable lifestyle. The brand's vision is to bring cost effective alternatives and environment friendly replacement for wood. The best is what everyone desires to own, but we go a step further to produce the landmark range of products that sets a benchmark for others to appreciate



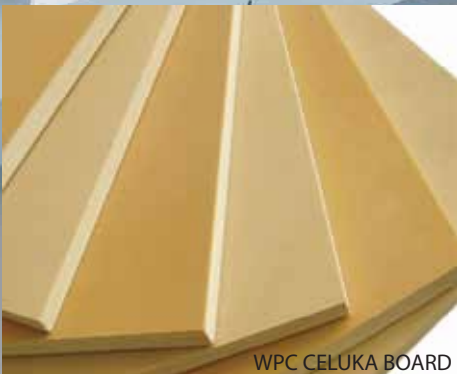
Wood Like Texture



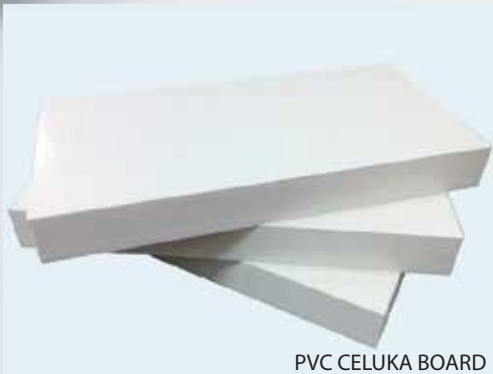
PVC GRAIN



WPC GRAIN



WPC CELUKA BOARD



PVC CELUKA BOARD

- Boards
- Grills
- PU Coated Shutters
- 3D Panels
- Decking & Cladding
- Doors & Frames



Technical specification – WPC Boards

Sr.no	Test parameters	Result	Unit
1.	Hardness	75	Shore D
2.	Density	650	Kg/cum
3.	Tensile strength	123	Kg/sq/cm
4.	Elongation at break	16	%
5.	Compressive strength @10% deformation	110	Kg/sq cm
6.	Flexural Strength	203	Kg/sq cm
7.	Flexural modulus	12121	Kg/sq cm
8.	Water absorption @ 2 hrs	0.04	%
9.	Screw withdrawal	193	Kg
10.	Nail withdrawal	19.6	Kg
11.	Charpy impact	5.1	Kg/sq cm
12.	Izod impact	35.4	J/m
13.	Fire retardance	1	Hr
14.	Heat resistance	80	°C/hr
15.	Acid absorption	2.90	%
16.	Ecoli	Absence	
17.	Salmonella	Absence	
18.	S. Aureus	Absence	
19.	Yiest & mold count	Absence	

Ref: CIPET

Workability

Laminate it Post Form it Glue / Weld it
 Screw it Paint it Rout it Drill it
 Mill it Saw it



WPC BOARD ENDLESS POSSIBILITIES

Modular Kitchen

Home & Office Furniture

Decorative Grills and Panels

Bathroom Vanities

Toilet partition & doors

Exterior Cladding and Grills

False Ceiling

Direct Digital Printing

Prefab

Bio-toilets

Pergolas

woodtrek™
Wood Polymer Composite

Introducing

1st time in India

100% Termite Free & Water Proof

PU COATED

S H U T T E R S

IN WPC & PVC



Available in Wide range with choice many color & finish to match your interiors

PU or polyurethane paints have various qualitative properties like high gloss, aesthetic appearance and excellent gloss retention. The PU painting process at Woodtek undergoes several quality control checks to ensure qualitative manufacture.

PU Painting is a 11 step chemical process, each of which adds to the durability of the finished product. PU (Polyurethane) painting is a time taking process as multiple coats are applied and each of which have to dry completely before the next coat is applied.

So when you order your PU Coated Shutter, please take note of lead time, keeping the duration of the PU painting process in mind. On our part we will keep you informed of the timelines.

Custom Made Seamless Finish Heavy Duty

Advantages of PU Paint:

- ✔ Superior smooth and high gloss finish
- ✔ Resistant to heat, so ideal for use in modular kitchens
- ✔ Are easily touched up if damaged
- ✔ Superior adhesion without using any primer
- ✔ Resistance to chemical attack
- ✔ Impermeable

SOLIDS



1013 Oyster white



3001 Signal red



7044 Silk grey



1014 Ivory



4006 Traffic purple



8019 Grey brown



1019 Grey beige



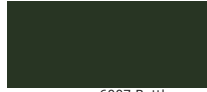
5010 Gentian blue



9010 Pure white



1019 Grey beige (Matte)



6007 Bottle green

METALLIC



1035 Pearl beige



7048 Pearl mouse grey



Silver metallic



1036 Pearl gold



9007 Grey aluminium

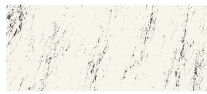
SPECIAL EFFECT



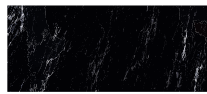
Grey Hammertone



White Hammertone



White Marble



Black Marble



Technical Properties

- Termite Proof
- Water Proof
- Ready To Install
- Maintenance Free
- Zero Swelling
- Chemical Resistant
- Easy To Clean
- Heat Insulated
- Green Product
- Sound Insulated
- Economic Product
- Long Life
- Fire Resistant



AVAILABILITY

DOORS

HEIGHT Standard 78", 81"
It can be customized to any size on MOQ.

WIDTH Standard 24", 27", 30", 33", 36", 39".

THICKNESS Standard 24mm, 30mm & 35mm
It can be customized on MOQ

SOLID DOOR FRAMES

WIDTH Standard 127mm x 63,5mm & 95 mm x 65 mm

LENGTH Standard 7 running feet
It can be customized as per MOQ.



MULTI CAVITY DOOR FRAMES

WIDTH Standard 95 mm x 65 mm

LENGTH Standard 7 running feet
It can be customized as per MOQ.



ADVANTAGES

- Frames can be installed even after P.O.P stage .
- No swelling, contraction, wastage due to cracking .

WPC Doors & FRAMES

CUSTOMIZED AND FABRICATED

Applications

Bedrooms

Bathrooms

Toilets

Balconies

Terraces

Industrial Use

Hospitals

Hotels

Schools

Temple

And Many More...



WORKABILITY



NAILING & SCREWING



HINGING FIXING

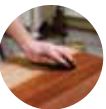


CYLINDER HANDLE INSTALLATION



HAND ROUTER

SURFACE TREATMENT



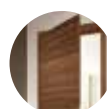
HAND POLISH



PU GLOSS / MATTE



NC/DUCO



LAMINATE



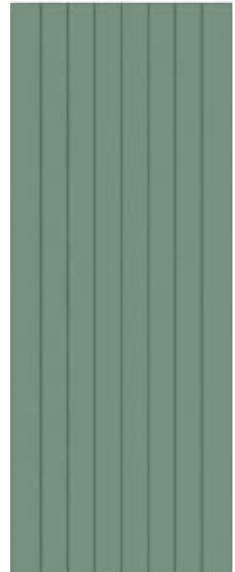
WD01



WD02



WD03



WD04



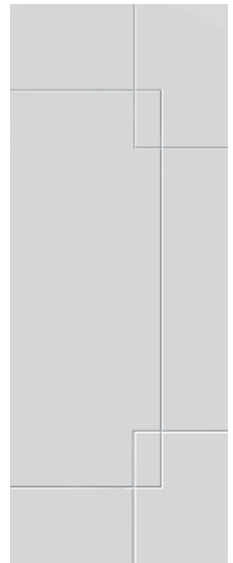
WD05



WD06



WD07



WD08

WPC Doors & FRAMES



WD09

WD10

WD11

WPC Deck floor

Deck floor is a well acquainted wpc product variant globally and being used for outdoor living applications.

It is used on walkways , platform terraces, traffic squares, courtyard, garden coverings , swimming pool surroundings, river sites, pond sides , water areas, dam areas corridors etc.

This is an all weather product.

Decency of deck floor gives typical natural touch to overall ambience where it is used. Technically, it reduces sunshine reflection and absorbs UV radiation. It can be applied across water drainage areas because of air permeability. Socially , it is a green product that protects environment with its natural characteristics of anti-water, anti fungus & anti-termite.

Available Colors-

Chocolate
Brown
Walnut
Teak Yellow
Dark Grey



WPC decking

Specification- Width 145 mm x 25 mm Length Standard 8 feet

Under railing- Width 40 mm x 40 mm Length Standard 8 feet



WPC Cladding

Specification- Width 174 mm x 13.5 mm Length Standard 8 feet



Does WOODTREK Board require painting?

WOODTREK products do not require paint for protection, but may be painted to achieve a custom color or to cover nail holes that have been filled. If you choose to paint, use 100% acrylic latex paint example Dulux Weathershield Max..

What preparation steps should be followed before painting WOODTREK Board?

Follow the paint manufacturer's preparation steps. To ensure good adhesion, the surface of the product should be clean, dry and free of dirt, mildew, chalk, grease and any other surface contaminants before applying paint. Cleaning can be accomplished using a mixture of a mild detergent and water. Other cleaning agents include mild household cleaners, or degreasers for more stubborn stains. Prior to cleaning, it is a good practice to fill all nail holes and remove any marks or blemishes that appear during the installation process. Sanding the surface is an acceptable method of removing blemishes if painting. However, sanding the original exterior surface will expose the micro cell structure.

How do I fasten or join Woodtrek PVC Board?

As with wood, WOODTREK board can be fastened or joined to itself or other substrates using nails, screws, PVC glues(PVC solvent Cement), quality polyurethane adhesives

Do you recommend nails or screws for fastening WOODTREK Board?

We recommend self drilling screws (Hettich or equivalent) over nails because screws help to limit thermal movement of the Board.

Is it possible to paste laminate on woodtrek Boards?

Yes, We recommend if it is required to laminate , do it both sides by using Pidilite adhesive Fevicol HEATX by applying as per instructions given by the adhesive manufacturer.

What is the best glue for joining two pieces of WOODTREK Boards?

We recommend a PVC pipe glue with solvent for bonding of Woodtrek boards to themselves. For instant adhesion Pidilite Fevi Quick can be used.

Does Woodtrek Board burn?

No. Cellular PVC will not support combustion and will only burn when in direct contact with a flame source. It also carries a flame spread rating of less than 25 giving it a Class "A" fire rating when used in an exterior application.

Any suggestions on what to do to exposed edges or exposed cells once WOODTREK has been cut, routed or milled?

There are a couple of methods used by contractors and OEM's to seal the exposed cells on WOODTREK Board. One technique is to wipe the exposed area with a solvent. Solvents tend to soften or melt the cells sealing them from dust and dirt. Another technique is to sand the exposed cells with a very fine 320 grit sand paper and then either wipe them with solvent or paint the area. The fine sanding reduces the cell size, allowing better paint coverage. In some cases, sanding with 320 grit paper and then wiping down the area with solvent eliminates the short term need for painting.

What is the best way to hide the nail/screw head?

Putty with Plastic wood fillers or use Woodtrek Board Saw dust mixed with with PVC Solvent Cement .

What is the maximum temperature WOODTREK trim should be allowed to reach?

Since a board facing due south at a 45° angle will not exceed a temperature of 48.8 °C, the maximum temperature should never exceed approximately 51 °C. Keep in mind the heat distortion temperature of WPC Board is approximately 68 °C.

What are the recommended adhesives/sealants I should use with WOODTREK?

- 1) PVC + PVC = Solvent Cement
- 2) PVC + Ply = Silicon Tube (Co. Name, Macoy & Wurthe)
- 3) PVC + Wall = Baslic Interior Silicon Tube & for outside exterior silicone tube.
- 4) PVC + Laminate = Pidilite Heatex

Why WPC

AVAILABILITY				
Width (Feet)	Length (Feet)	Thickness	Density Range	
4Ft	8Ft	5mm-18mm	0.55 - 0.70 g/cm ³	
SURFACE SMOOTH & WOOD GRAIN				
Other sizes are made with special order. Recommended grade for adhesive for lamination is FEVICOL HEAT X or equivalent.				
	CELUKA BOARD	Ply wood	MDF	Particle Board
Water & Moisture Proof	✓	✗	✗	✗
Termite & Pest Proof	✓	✗	✗	✗
No Shrinking or Swelling	✓	✗	✗	✗
Fire Retardant	✓	✗	✗	✗
Borer Proof	✓	✗	✗	✗
Corrosion Resistance	✓	✓	✓	✓
Splinter Free	✓	✗	✗	✗
Maintenance Free	✓	✗	✗	✗
Environment Friendly	✓	✗	✗	✗
Smooth Surface	much more smoother	less smoother	less smoother	less smoother
Outdoor Adaptability	✓	✗	✗	✗
Gluing & Lamination	✓	✓	✓	✓
Weather & Ageing Resistant	✓	✗	✗	✗



Our Products in WPC/PVC : Boards | Grills | 3D Panels | Shutters | Doors & Frames

Inquiries Solicited:

State Wise Distributor | City Wise Dealer | OEM Buyers

Brothers Woodtrek India Pvt Ltd

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