



FLEXIBOND®
AN ATTACHMENT

INCLINE TOWARDS **A BETTER FUTURE**

WPC SOLID DOOR & FRAME
PVC/ WPC FOAM BOARD





ABOUT US

We UMIYA CARBON PVT LTD. are a manufacturer of "FLEXIBOND" Brand PVC FOAM BOARD, the exclusive & most diversified range. Flexibond is manufactured using the latest state of the High technology. Research & development is an essential element in Flexibond's success providing an important edge in the technology & Design needed to stay at the fore front of architectural friends.



Quality Assurance

We provide good quality products to customers with respect and faith; we grow through creativity, invention, and innovation. As we are a manufacturer of highly recognized PVC and WPC our products are of the best quality.



Our Motto

Our centric approach towards the clients has enabled us to focus on our business operations and to meet the exact requirements of the customers. We have directed all our expertise in providing customers with a wide range of good quality products.



Mission Statement

Flexibond will strive to achieve and remain as the most preferred brand by architects, interior designers, engineers, contractors, builders and other construction industry members, whenever they are thriving to create building which are also eco-friendly.

PVC FOAM BOARD

We provide good quality products to customers with respect and faith; we grow through creativity, invention, and innovation. As we are a manufacturer of highly recognized PVC and WPC our products are of the best quality.



Applications

Furniture Industry

- » Interior Furniture
- » Modular Kitchen
- » Crockery Cupboards
- » Bed & Wardrobes
- » Farm-house Furniture
- » Hospital Furniture
- » Office Furniture

Fabrication in to Ducts

- » Ventilation and Air Conditioning

False Ceilings

- » Moulded Panels
- » Flat Panels
- » Fabricated Panels

Signage & Display Panels

- » Internal Wall Hung Displays
- » Digitally Printed Posters
- » Vinyl Laminated Pictures

Decorative Panels

- » Exhibition Shell Stands
- » Wall Paneling

Wall Cladding and Partitions

- » Decorative Cladding
- » Temporary Partitioning



WPC SHEETS

Excellent exterior can be made from our WPC sheets which are strong and durable in any wether and also light weight. you can shift it from one to other place very easily. FLEXIBOND offers you wpc sheets in various thickness. out door seating, tables, pool garden fencing etc.



Applications

- » House
- » Office & Hotel
- » Building
- » Shuttering
- » Hospitals
- » Bathrooms
- » Modular Kitchen
- » Terrace Rooms
- » Beach Houses
- » Camp Sites
- » Farm Houses
- And many more.....



PVC/WPC DOORS

PVC/WPC Doors are foam-boards sized to requirements of door, it comes with all the inherent properties of the material. The most attractive features of this product are

- » Light Weight Structure and High Tensile Strength.
- » Better Machinability.
- » Best to stand with High Moisture and Humidity level and Corrosion Resistant.
- » Non Toxic and Borer Free.
- » High Screw Holding Capacity.
- » Can be processed like Natural Wood, MDF, Plywood on any processing machine.
- » Easy to cut and saves tooling life almost 30% than MDF & Particle Boards.

Surface Decoration of PVC/WPC Doors :

- » Can be treated with HPL lamination
- » PU coating and UV coating can be done
- » Best routed with CNC router
- » Printing can be done with High Resolution
- » PVC edge bending can be applied nicely
- » Paper lamination can also be done easily
- » Can be applied with PVC foil lamination on a Vacuum press



Standard Dimensions

PVC/WPC Boards	Size	1220 mm x 2440 mm
	Thickness	5 mm to 35 mm (Other size of boards can be arrange as per order)
PVC/WPC Doors	Height	72", 75", 78", 81", 84"
	Width	26", 28", 30", 32", 34", 36", 38", 40", 42"
	Thickness	25mm, 28mm, 30mm (Other thickness can be arrange as per order)
	Colour	Wooden, Gray, White



Advantages



Fire Retardant &
Self-extinguishing



Electrically
Insulated



Hygienic



100% Termite &
Borer Proof



Chemical
Resistant



Thermally
Insulated



Nontoxic Grade



High Density



Anti Fungal



Environmental
Friendly



Lightweight
and Strong



100%
Waterproof



Recyclable



Easy
Fabrication



No Shrinking
or Swelling

REVOLUTIONARY
DOOR FRAMES FOR ULTRA
MODERN DOORS



Comparison

PROPERTY	FLEXIBOND	PLYWOOD	MDF	PARTICLE BOARD
Water and Moisture Proof	✓	×	×	×
Termite and Pest Proof	✓	×	×	×
No Shrinking and Swelling	✓	×	×	×
Fire Retardant	✓	×	×	×
Borer Proof	✓	×	×	×
Splinter Free	✓	×	×	×
Maintenance Free	✓	×	×	×
Environment Friendly	✓	×	×	×
Smooth Surface	✓	×	×	×
Outdoor Adaptability	✓	×	×	×
Gluing & lamination	✓	✓	✓	✓
Weather & Ageing Resistant	✓	×	×	×
High Screw & Nail Holding Capacity	✓	✓	×	×
Sawing & Cutting	✓	✓	✓	✓
UV Resistance	✓	×	×	×
Direct Digital Printing	✓	×	×	×
Use Traditional Tools	✓	✓	✓	✓
High Density	✓	✓	×	×
Solvent Based Joinery	✓	×	×	×
Moulding Properties	✓	×	×	×

WPC DOOR FRAMES

Flexibond door frame made of wood polymer composite is known as wpc door frame Door Frames is revolutionary product and will be a need for every builder and door manufacturer.

The best advantage of FLEXIBOND door frames is over conventional wood door frame is that it is 100% waterproof, 100% termite proof Instead of installing Door Frame at a plaster stage.

It is surrounding assembly into which a door fits, Consists of two uprights, jambs and a head over the top. The door frame is most important for a door. The primary purpose of the door frame is to provide a support to the door. Door are incomplete without a FRAME.

FLEXIBOND Door Frames is an engineered product and resolves all problems which come in wood. FLEXIBOND will be surely using this great product in all upcoming projects.

WPC door frame is the total replacement of timber and this is go green product

JUST
WHAT
YOU'RE
LOOKING
FOR



Product Description

FLEXIBOND WPC Solid Door Frame

WPC Solid Door Frame looks like wood, it is lifelong durable, high screw holding capacity, all hardware fittings can be tightened by screw.

WPC Solid Door Frame is especially useful for senetary

WPC Door Frame can be fit by Hold Fast during brick work and also fit by Screw/Anchor Bolt after completion of wall plaster.

REVOLUTIONARY DOOR FRAMES FOR ULTRA MODERN DOORS



Features

- » Termite Proof
- » 101% Water Proof & 100% Moisture Proof
- » 0% shrinkage
- » No Bending & Crack Issues
- » Fire Retardant
- » Durable
- » Ready to Paint in any colour & Polish
- » High gloss, Matt, Satin P.U Paint surface can be prepared with less consumption of material
- » Helps keep door operating and locking great for years

Availability

- » It is generally structured with solid extrusion and in more than 800 Kg/Cubic meter density.
- » We provide below sizes in FLEXIBOND
- » It is available in standard ready to fix in sizes of
 - 1) 3" x 2", 4" x 2", 4" x 2.50", 5" x 2.50" in Single Rebates
 - 2) 5" x 2.5", 6" x 2.5" in Double Rebates.
 - 3) In Three Colours Wooden, White & Grey



Door Structure



Door Frame



Auxiliary Frame



Door Barring +
Rubber



Coupling



Door Panel



Hinge

Who Will Buy Flexibond Wpc Door Frames

- » Residential Projects
- » Commercial Projects
- » Govt. Projects
- » Hotel Projects
- » Institute Projects
- » Hospital Projects
- » End Users
- » Builders
- » Contractors
- » Door Frame Makers

What Are Draw Backs Associated With Flexibond Door Frames

No.	PARTICULARS	DRAWBACKS
1	Wooden Door Frames	Not Water Proof, Termite, Maintenance
2	Aluminium Door Frames	Not Stable, Poor Screw Holding , Maintenance
3	Iron Door Frame	Screws, Rusting, Low Life, Fixing Problem.
4	Hollow PVC Door Frame	Un Stable For Heavy Doors, Low Screw Holding
5	UPVC Door Frame	High Cost, Unstable.
6	Cemented Door Frame	Fixing Problem , Brittle, Heavy, Not Water Proof



The Contrasts Of Flexibond Wpc And Wood Door Frame

No.	CHARACTERISTICS	WPC	WOOD
1	Moisture Resistance	100% Waterproof	Water absorptive
2	Rot Resistance	Antisepsis	Rot except special treating
3	Split Resistance	No Cracked	Cracked by weathering effect
4	Distortion Resistance	Almost no Contraction/Expansion	Distorting effected by change of moisture and temperature
5	UV Resistance	High Grade UV Resistance	Easily effected by UV
6	Fading Resistance	Almost no	Easy to fade
7	Outdoor adaptability	Great	Only few of treated wood adaptive
8	No need painting	No need	Need paint periodically
9	Durable / longevity	>8 – 15 years	< 3 years
10	Various Configuration	Extruded via various mould	Simplex
11	Environment Effect	Recyclable 100%	Consume woods

Technical Data Sheet

PARAMETER	VALUE	ADVANTAGE
Density	0.8~1g/cm ³	Little deformation, strong anti-aging
Flexibility	20~30MPa	Low brittleness ,not easily broken
CTE	2~5*10 ⁻⁵ /°c	Non-deformation
Moisture absorption	0.3~3% /24h	Not easy to mold , not warp
Termite – proof	Mass decrement :0.4% yr. , dead bugs rate:20% yr.	Not easy to mold , not warp
Combustibility	25~26(B)	High flame retardancy
Colourfastness	3~4 Levels/yr. Δ E(2~3)	Not easy oxidation fade



UMIYA CARBON PVT. LTD.

E-mail : flexibondpvc@yahoo.com, pvc@flexibond.co.in

Ph : +91 92280 25446 | Web : www.flexibond.co.in

