

MORE THAN  
**20**  
YEARS OF EXCELLENCE

**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 buildings 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



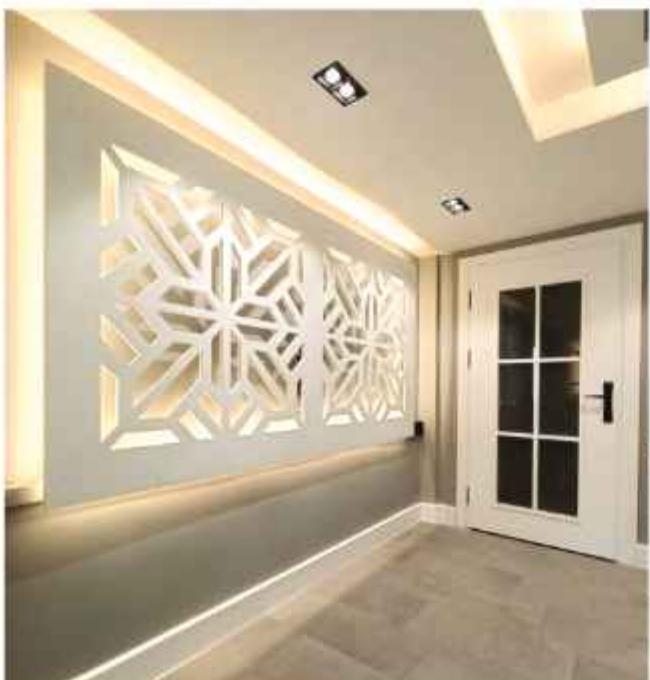
# WPC SHEETS

Excellent exterior can be made from our WPC sheets which are strong and durable in any weather 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
- » Hospitals
- » Office & Hotel
- » Bathrooms
- » Building
- » Modular Kitchen
- » Shuttering
- » 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



Hygenic



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 101% 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.



## 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 tighten 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      » Hospital Projects
- » Commercial Projects      » End Users
- » Govt. Projects      » Builders
- » Hotel Projects      » Contractors
- » Institute Projects      » 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 Contras Of Flexibond Wpc And Wood Door Frame

| No. | CHARACTERISTICS       | WPC                             | WOOD  |
|-----|-----------------------|---------------------------------|---|
| 1   | Moisture Resistance   | 100% Waterproof                 | Water absorptive  |
| 2   | Rot Resistance        | Antiseptis                      | 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 <sup>3</sup>                           | Little deformation, strong anti-aging |
| Flexibility         | 20~30MPa   | Low brittleness ,not easily broken    |
| CTE                 | 2~5*10 <sup>-5</sup> /°C                         | Non-deformation                       |
| Moisture absorption | 0.3~3% /24h                                      | Not easy to mold , not wrap           |
| Termite – proof     | Mass decrement:0.4% yr. , dead bugs rate:20% yr. | Not easy to mold , not wrap           |
| Combustibility      | 25~26(B)   | High flame retardancy                 |
| Colourfastness      | 3~4 Levels/yr. Δ E(2~3)                          | Not easy oxidation fade               |



**FLEXIBOND®**  
AN ATTACHMENT

**UMIYA CARBON PVT. LTD.**

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