



USE WPC.
Save trees. Save earth.

HARDYPLAST[®]

WPC - replacing wood, plywood.



About HARDY SMITH

HARDY SMITH operates from India for wood polymer composite sector since 2010. Since its inception WPC has been a focus sector and we serve for WPC technology, WPC products, projects and Installations. We promote, educate, make, consult, design and install WPC materials & machines.

With our several manufacturing co-operations within the country and abroad, we supply total product solutions into WPC sector. We supply WPC boards (thin & thick), WPC Doors, WPC Door frames, WPC Decking, WPC wall cladding, WPC pergola sections.

We take turnkey installation projects for **interiors made with WPC** – like modular kitchens, wardrobes, book shelves, bathroom vanities, toilet cubicles, storage cabinets, shutters, grill & wave boards.

We take turnkey installation projects for **exteriors made with WPC** – like outdoor deck flooring, exterior wall cladding, fencing, paneling, garden benches and pergolas. For more details log on to wpc-centre.com.

MATERIAL TESTING DATA SHEET – WPC PVC FOAM BOARDS					
Sr. No.	Description	Test Method	Unit	Value	Reference Range
1	Hardness	ASTM D 2240		65	
2	Density	IS 2380 (P-3)	kg/m ³	563	
3	Screw withdrawal	IS 238 (P-14)	N	1601	
4	Tensile Strength	IS 8543 (P-4)	N/mm ²	14.2	
5	Elongation at Break	IS 8543(P-4)	%	20	
6	Compressive Strength (10% Deformation)	IS 1734	Kg/cm ²	22	
7	Flexural Strength	IS 1734	N/mm ²	12.6	
8	Flexural modulus	IS 1734	N/mm ²	1421.7	
9	Water absorption (35 mm WPC Sheet) 1) 2 hrs 2) 24 Hrs	IS 2380 (P-16)	%	1) 0.23 2) 1.1	
10	Charpy Impact		Kg/Sqcm	5.1	
11	Izod Impact		J/m	35.4	
12	Fire Retardancy	ASTM D 635			Flame from did not reached 25 mm mark
13	Heat resistance		Degree C/Hr	80	
14	Acid absorption		%	2.9	
15	Ecoli				Absence
16	Salmonella				Absence
17	S. Aureus				Absence
18	Yeast & mold count				Absence

WPC BOARDS

Single & 3 Layer



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Now make washable furniture

WPC & PVC PANELS

Single & 3 Layer



'HYPER WPC' BOARDS



HYPER WPC

High density higher wood content boards (0.7 D)

PVC PLUS

Premium quality WPC Boards (0.6 D)

CALCIUM PLUS

Standard quality WPC Boards (0.5 D)

Important note: We don't sell low density material.

Adhesives

- PVC to PVC : (1) Cyanoacrylate
(2) PVC solvent cement
- PVC to HPL : (1) FEVICOL HEATX
(2) Self adhesive tapes
- PVC to Wood : (1) FEVICOL Pro-bond

Usage tips

- (1) A vertical support at a regular interval of 1.5ft is recommended across the horizontal length .
- (2) Softening temperature of PVC starts around 70 C.
- (3) HPL should be applied on both the sides of WPC Boards



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WPC SOLID DOOR FRAMES | PREMIUM

“25 WPC Solid Door frames save 1 (one) fully grown virgin Tree.”



Available Sizes (inch)

3 x 2 Single Rebate | 3.5 x 2.5 Single Rebate
4 x 2 Single Rebate | 4 x 2.5 Single Rebate
4.5 x 2.5 Single Rebate
5 x 2.5 Single Rebate | 6 x 2.5 Double Rebate



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WPC SOLID DOOR FRAMES | STANDARD



Available Sizes (inch)

3 x 2 Single Rebate | 4 x 2 Single Rebate
4 x 2.5 Single Rebate | 5 x 2.5 Single Rebate

Ready to fix

Applications

- Bedrooms
 - Bathrooms
 - Toilets
 - Balconies
 - Terraces
 - Industrial use
 - Hospitals
 - Hotels
 - Schools
 - Temples
- And many more areas

Technical Properties

- Termite proof
- Water proof
- Ready to install
- Maintenance free
- Zero swelling
- Chemical resistant
- Easy to clean
- Heat insulated
- Sound Insulated
- Green product
- Economic product
- Long life
- Fire retardant



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WPC SOLID DOOR FRAMES | COMMERCIAL



Available Sizes (inch)

3 x 2 Single Rebate

4 x 2 Single Rebate

4 x 2.5 Single Rebate

5 x 2.5 Single Rebate

Ready to fix

Economic product range with recycled raw material for commercial projects



USE WPC.
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- Unique design for fastest window installation
- Made from heavy duty rigid WPC material
- 3 inch x 1 inch profile format for window shutters
- Solid high density structure
- Plain and Line designs on either sides for design choice
- Easiest for carpentry - hand and machine both
- 100% water proof, Termite proof, Borer proof
- Paint and Polish possible
- Economic against natural wood



WPC SOLID RAILINGS



USE WPC.
Save trees. Save earth.



- Replacing conventional wooden railings
- Designed for fastest Railing installations
- Made from heavy duty rigid WPC material
- Available in custom designs & Sizes on MoQ
- Solid high density structure
- Easiest for carpentry - hand and machine both
- 100% water proof, Termite proof, Borer proof
- Paint and Polish possible
- Economic against natural wood



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WPC PLAIN DOORS



Standard Thickness : 32 mm

Width range (inch): 24, 26, 28, 30, 32, 34, 36, 48, 54, 60

Length range (inch): 72, 75, 78, 81, 84, 87, 90, 96

Exclusive Designs | High density material | Perfect in screw holding

Custom sizes | Polishable & Paintable surface

Suits in High end Applications | Withstands chemicals



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WPC SOLID DOORS | 3 Layer



- Exclusive product from **HARDYPLAST**
- High Density Rigid PVC surface material
- Ready to use Doors and Door frames
- Strong surface hardness
- Water proof and Termite proof

Applications:

- Hotels
- Villas
- Hospitals
- Hostels
- Temples
- Farm Houses
- Clubs
- Rural homes

Features:

- Custom sizes
- Custom colors on MoQ
- Custom thickness up to 100 mm



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MOULDED WPC DOORS



Standard Thickness : 32 mm

Width range (inch): 24, 26, 28, 30, 32, 34, 36, 48, 54, 60

Length range (inch): 72, 75, 78, 81, 84, 87, 90, 96

Exclusive Designs | High density material | Perfect in screw holding

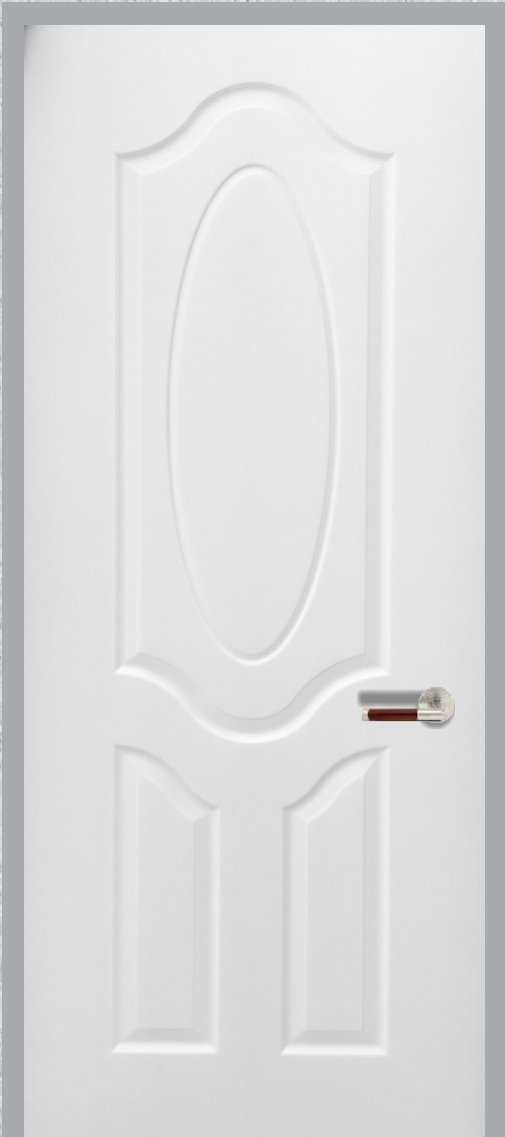
Custom sizes | Polishable & Paintable surface

Suits in High end Applications | Withstands chemicals



USE WPC.
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MOLDED PVC SOLID DOORS



Standard Thickness : 32 mm

Width range (inch): 24, 26, 28, 30, 32, 34, 36, 48, 54, 60

Length range (inch): 72, 75, 78, 81, 84, 87, 90, 96

Exclusive Designs | High density material | Perfect in screw holding

Custom sizes | Polishable & Paintable surface

Suits in High end Applications | Withstands chemicals



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PREMIUM WPC DOORS



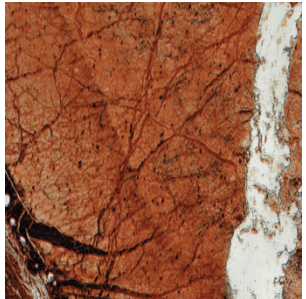
Standard Thickness : 32 mm
Width range (inch): 24, 26, 28, 30, 32, 34, 36, 48, 54, 60
Length range (inch): 72, 75, 78, 81, 84, 87, 90, 96
Exclusive 6 Designs | High density material
Perfect in screw holding | Custom sizes
Polishable & Paintable surface
Suits in High end Applications | Withstands chemicals

PVC LAMINATES | PVC MARBLES

1.25mm

3.0 mm

gloss | matt



“10 liters of water are required to produce 1 sheet of A4 paper.
Several papers are used to make one conventional HPL
(high pressure laminate). “PVC HPL”
saves water, paper, wood... and thus nature .”



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3D PVC ART PANELS



RIVER WAVES



STONES



GEOMETRY



DECO-TILES



CURVES

SPECIFICATION

Material: High Grade uPVC Sheet

Dimension: 602 x 608 mm

Material thickness: 4 mm

Color: white

Surface Finishing: Paintable with any types of colour

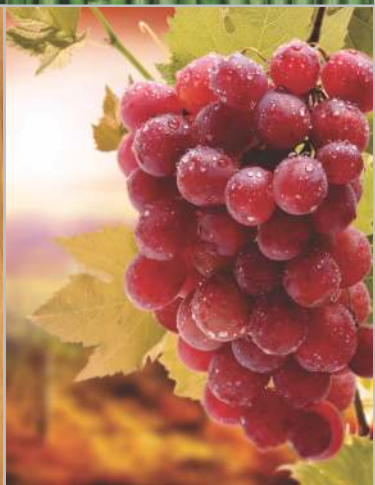
Emboss thickness: 12mm 3D Effect





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WPC DIGITAL PRINTED PANELS





Surface: Digital printed WPC | Stile and Rail: WPC PVC



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WPC GRILLS

WPC | ART

artifacts for evergreen heritage



Heritage Grills

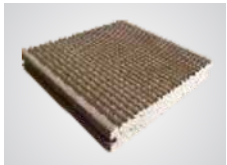
‘Sidi Saiyyed Jali’

Sidi Saiyyed (Saiyed) Mosque is arguably one of most well known mosques of Ahmedabad, and it's famous ‘**Tree of Life Jali**’ or latticework done on the semicircular arch-windows has come to symbolise the city and its grandeur.



DECK FLOOR is a well acquainted WPC product variant globally. Generally known as WPC Decking it is widely accepted and being used for outdoor living applications. It is used on walkways, Platforms, terraces, traffic squares, courtyards, garden coverings, swimming pool surroundings, river sites, pond sides, water areas, dam areas, corridors etc. This is an all weather product.

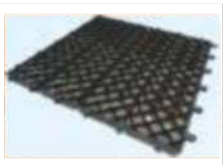
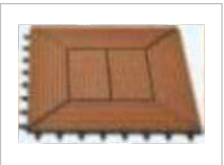
Decency of DECK FLOOR gives typical natural touch to overall ambience where it is used. Technically, it reduces sunshine reflection and absorbs UV radiation. It can be applied across water drainage areas because of air permeability. Socially, it is a green product that protects environment with its natural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





WPC DECK TILE is a unique product for fastest installation, as well as for fastest disassemble. Product is quite easy to maintain and it is typically DIY (do-it-yourself) product for end user. Its fixing system with floor mat can install thousands of square feet in couple of hours. It doesn't need any mechanical fittings for installation, as it's delivered in ready-to-fix format. You can create meters long walkway in a few minutes only. It gives a walking comfort because of good quality plastic floor mats. This is an all weather product.

DECK TILE gives typical natural touch to overall ambience where it is used. Technically, it reduces sunshine reflection and absorbs UV radiation. Socially, it is a green product that protects environment with its natural characteristics of anti-water, anti-fungus & anti-termite.





WALL CLAD is a well known WPC product, widely used for Exterior wall coverings, globally. It has equal use in interior surfaces also. Major application remains with outdoor wall paneling such as villa exteriors, apartment exteriors, hotel exteriors, hospital exteriors, commercial building exteriors, architectural layouts, educational institutions etc. This is an all weather product.

WPC WALL CLAD is a durable, biodegradable and environment friendly product. They can be installed, trimmed and painted with commonly available products and tools. Scraps are biodegradable and can be recycled with other paper products.

WALL CLAD gives typical natural touch to overall ambience where it is used. Technically, it reduces sunshine reflection and absorbs UV radiation. Socially, it is a green product that protects environment with its natural characteristics of anti-water, anti-fungus & anti-termite.





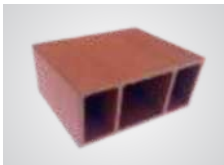
WPC PLANK is a general purpose product, which can be used in numerous applications. This is a regular strip of 10 mm thickness, available in 70 mm and 130 mm width, respectively. You can apply it as fencing of your backyards and you can apply it as your balcony fencing of apartment. You can apply it over your terrace bench, as well as you can apply it as a top of your coffee table. This is an all weather product.

WPC PLANK gives typical natural touch to overall ambience where it is used. Technically, it reduces sunshine reflection and absorbs UV radiation. Socially, it is a green product that protects environment with its natural characteristics of anti-water, anti-fungus & anti-termite.





Pergolas are popularly known locally as 'Gazebo'. For villas, gardens, colony plots, restaurants, tea posts, road side refreshment areas Pergolas are becoming favorite because of its woody look. Made with wood and polymer with different surfaces like 'sanded' or 'brushed' or 'embossed' pergolas are perfect replacement of conventional wooden structures. It is available in customized wood alike colors.





Fencing is a very generic application for countries like India. Taking from balcony to gardens Fencing planks are finding their applications in various outdoor areas. WPC fencing as several profiles including narrow planks, wide planks, square tubes and hollow section for fencing polls and fencing planks.





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WPC BOARDS | WPC DOOR FRAMES | WPC DOORS | WPC DECKING | PVC LAMINATE | 3D PVC ART PANELS



Water Proof



Termite Proof



Borer Proof



Fire Retardant



Recyclable

a product brand of
HARDY SMITH[®]
wood plastic composite architects

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technology & market updates
for wood polymer composites

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