



HARDYPLAST® WPC
replacing natural wood, plywood.

WPC BOARDS

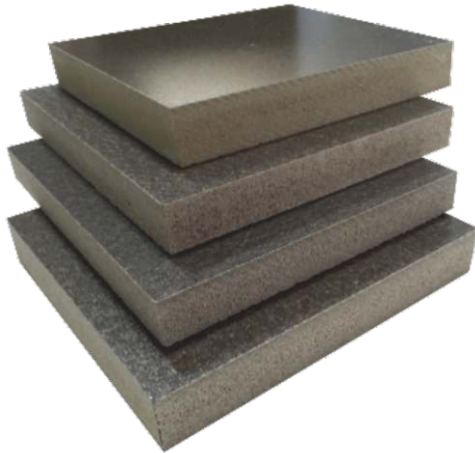
‘Reuse - Reduce - Recycle - Re create.’

A green initiative by **HARDY SMITH**, India.

www.wpc-centre.com

'HYPER WPC' BOARDS

5 mm - 24 mm (0.7 Density)



Panel width:

1220 mm or 4 ft/915 mm or 3 ft/1525 mm or
5 ft/762 mm or 2.5 ft

Panel length:

Customized in 4ft, 6.5ft, 7 ft, 8ft, 10ft, 12ft and more

Panel colours:

White & Wood colour are standard Customized as per
requirement with a MOQ of 200 boards

Panel thickness:

3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 12 mm, 15 mm, 17 mm, 18
mm, 24 mm, 25 mm, 27 mm, 28 mm, 30 mm, 35 mm, 40 mm

Panel density:

500 kg/cum & 600 kg/cum Customized as per order
upto 800 kg/cum

i. Hyper WPC boards

This is a high density board with more than 30% wood in its basic
formulation. More wood doesn't allow board to lower its density and this
board can give a better screw holding due to more natural fiber contents.
It gets into demand for high density applications.

ii. WPVC foam boards

This is the new form of PVC foam sheet that comes with wood fibers
added within. It comes into light brown color and replaces wood,
plywood, MDF and particle boards in several direct applications. Its color
is more preferred by architects in wardrobes, shutters and cabinet
applications followed by CNC grill boards.

WPC BOARDS make washable furniture



WPC boards

PVC boards

3 Layer
(co-ex)
boards

Adhesives

PVC to PVC

- (1) Cyanoacrylate (Quick fix glues)
- (2) PVC Solvent cement

PVC to PVC Laminates

- (1) Fevicol Pro-bond

PVC to Stone

- (1) Astral Hybrid Sealants

PVC to HPL

- (1) FEVICOL L-FIX
- (2) Self adhesive tapes (Lohmann)
- (1) FEVICOL Pro-bond

PVC to Veneer

Usage tips

- Vertical supports at an interval of 1.5ft length is
recommended in case of Horizontal shelf fixing.
- (2) Softening temperature of PVC WPC starts at
around 70 deg C.
- (3) Screw and solvent joinery is the best system for
making furniture from PVC WPC boards.
- (4) Use of PVC grips while fixing of screws add more
strength to the joinery system.

iii. 3 layer boards

These boards are made with co-extrusion technology where top and
bottom layers are formed out of a separate extruder with a total rigid PVC
layer and without foaming. This gives good shore D hardness to the
surface of boards in several direct applications in kitchen, shutters and
office furniture. It has better bending strength and more stability in
structural applications.

iv. PVC white foam boards:

This is the most common format of PVC boards that is made with calcium
and additives and available in white color. These boards are more often
used in its natural white form for interior and exterior applications
matching to the weather.

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WPC boards are globally known with various names like 'Construction boards', 'Crust foam boards', 'PVC Calcium boards', 'WPC shuttering boards', 'WPC MDF boards', 'WPC Plates, PVC foam boards, WPC sheets, WPC panels, WPC formwork panels etc. in global markets. WPC boards can be produced with flexible density range varies from 400 kg/cum to 900 kg/cum with calibration technology.

Another important characteristic is the surface density of this product and which also can be adjusted between ranges of 55 shore D to 85 shore D surface hardness.

These boards are covering a large application area starting from interior grade boards being used for making modular kitchens, kitchen cabinets, kitchen shutters, wardrobes, bathroom furniture, floor paneling etc. Taking further, these boards are being used for making temporary shelters for government housing projects, construction site pavilions/shelters, low cost housing projects and other road and building projects. There are six basic types of PVC foam boards, commercially.

PROPERTIES

- 100% water proof
- 100% termite proof
- 100% recyclable
- Life time warrantee
- 2 Years buy back Assurance
- Medical grade product
- Best use for heavy seepage areas
- No water absorption
- No accumulation of moisture
- No germs
- No mosquitos
- No cockroache



Material: WPC PVC
Size: Customized
Dimensions: Customized
Edge: PVC edge bands
Adhesive: Cyanoacrylate
Screwing: 'No Screwing'
Panel Thickness: 18 mm