



PAKISTAN'S FIRST  
WPC BOARD MANUFACTURERS



**SAVE NATURE**



LIVE BETTER

A hand is holding a green, moss-like house-shaped object over a field of green plants. The house shape is made of a textured, green material, possibly moss or a similar plant. The background is a blurred field of green plants, suggesting a natural, outdoor setting. The overall image conveys a message of environmental friendliness and sustainability.

## MISSION STATEMENT

*Our mission is to save the nature of this planet & rebuild the future by making green home for our generations.*

*Every country should have 25 % forestry land as compared to their total land, but our treasured country has less than 4% woodland for wild life & to produce oxygen to live (84 % less plants than required). And instead of reforestation we are cutting more trees, disturbing the nature & upsetting eco system. That's why, we have introduced better wood substitutes to stop cutting thousand ton of wood/day.*



## C.E.O. MESSAGE

*First of all, I would say thanks to Allah for giving me the VISION to contribute my humble part to save the nature. Dear customers, instead of wounding trees for furniture & decorating our homes we should use a better wood substitute which is even more in properties.*

*Al-humdullilah! G.J. industries (Pvt.) Ltd. has started manufacturing WPC with the brand name TIMBPLAST, which will not only fulfill our mission but will create hundreds of Jobs in our country and save the national wealth by reducing the imports. WE care about our customers by providing quality products after testing. We would like to receive your feedbacks about area of improvements, quality of our products and is well we doing? Thanking in advance for your time & interest.*

*Regards*

**Mian Muhammad Ehsan**

C.E.O.

G.J. Industries (Pvt.) Ltd.

# COMPANY PROFILE



*G.J Industries (Pvt.) Ltd. is expert in manufacturing WPC products. It integrates R & D, Production and Quality Control Department to produce outstanding products.*

*The company uses state of the art technology to manufacturing unit, uses only the certified finest raw materials, has skilled production and qualified R & D team. R & D team strives for innovation. Company has its own Quality Control department, which maintains the quality of our products and it passes only those end products to the market which conforms to the pool of testing, according to the International American (ASTMs) and European Union (EU) standards. Company is certified by ISO 9001 & 14001.*





# Manufacturing Circulation Drawing



wooden chips



wood powder

Melting, blending and special additive dosing through special process



Wood-plastic raw material

Extrusion  
and  
moulding



Moulded  
product

Processing



Product use

Crushing



Trash

Recycling

# WPC PRODUCTS

## WPC PRODUCT ADVANTAGES

- 1 *Using materials (wood powder and plastic), green, low-carbon and economic.*
- 2 *Waterproof and moisture-resistant. It can be used to the environment that traditional wood products cannot be applied.*
- 3 *High strength, durability is better than the ordinary wooden materials.*
- 4 *It has natural woodiness surface, the color can be customized according to your need.*
- 5 *High plasticity. It can be very simple to create and reflect personalized style.*
- 6 *Pollution-free, product does not contain benzene substances.*
- 7 *Anti UV, Inflaming retarding.*
- 8 *Simple installation, saving time and cost.*
- 9 *Low maintenance.*

# WPC BOARD FEATURES

- 100% water proof
- Fire proof (self extinguishing)
- Smooth glossy finish
- Light weight
- Easily fabricated
- Durable
- High quality
- No toxic gas release
- Environment friendly material

## WPC BOARD vs MDF / WOOD

Self Colors	Need to be coated
Environment friendly	No
Termite, Water proof & Fire retardant	No such qualities
Maintenance free	Varnishing is required
Low labour cost	High Labour cost
Short installation period	Long installation period
Save forests	Need deforestation for production
Smooth finishes	Irregular surface

# WPC PRODUCT LINE



WPC BOARD



WPC CEILING



WPC CONSTRUCTION SHUTTERING



WPC DOORS



WPC WALL SHEETS



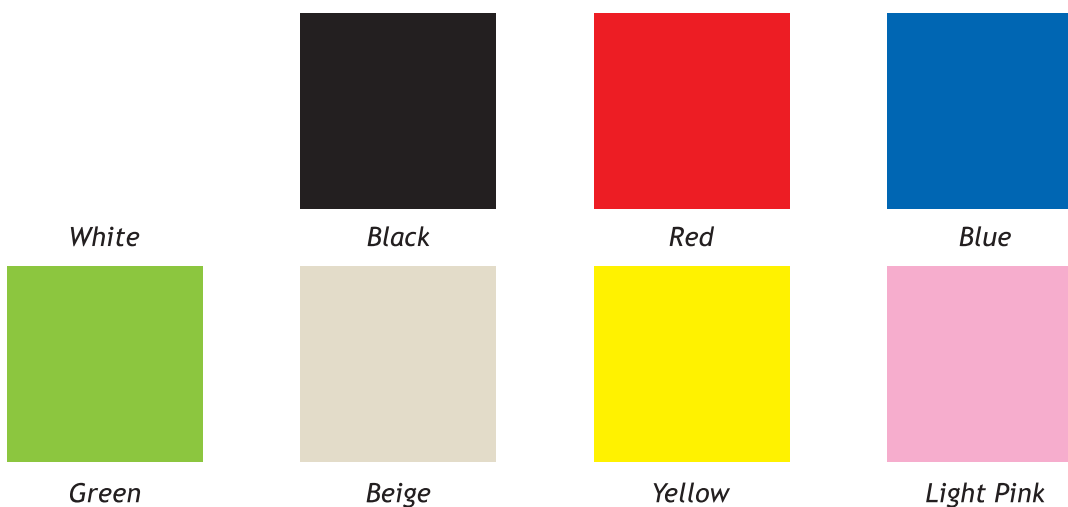
WPC FLOORING



# COLOUR RANGE & TEXTURE OF WPC BOARD

*TimbPlast WPC Board, with its various accents of colour and wood textures, gives a unique and different touch to your interior. Showcase your interiors with our unmatched wall textures and you fall in love with the irresistible gravity of our ingenious and exquisite texture designs. Celebrate and illuminates your world with TimbPlast WPC Board ultimate and wide range collection.*

## Solid Colours

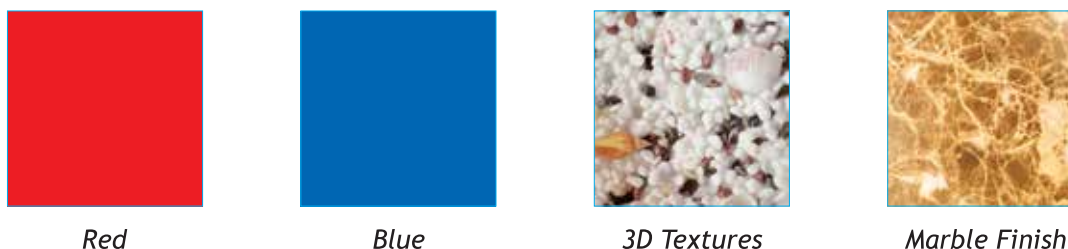


## Textures



## UV Coating

*High quality UV coating is also available in all colors and texture designs*



*Standard Sheet Size is 8x4 feet*

*\*Subject to minimum order meeting requirements.*

# TECHNICAL SPECIFICATIONS

PROPERTIES	TEST	UNIT	VALUE
<b>Physical:</b> Density Hardness Water Absorption	ASTM D792 ASTM D2240 ASTM D570	g/cc shore 'D %	0.55-0.70 ≥ 60 ≤1.0
<b>Mechanical:</b> Tensile Strength Elongation at Break Modulus of Elasticity Izod impact Strength	ASTM D638 ASTM D638 ASTM D638 ASTM D256	Mpa % Mpa KJ/M <sup>2</sup>	≥15 ≥15 900-1500 ≥9.0
<b>Electrical:</b> Dielectrical Strength	ASTM D149	KV/cm	≥90
<b>Thermal:</b> Vicat Softening Temperature Coefficient of Linear expansion Thermal Conductivity	ASTM D1525 ASTM D696 ASTM D177	°C Mm/m °C W/mk	≥73 0.08 0.05-0.07
<b>Flammability:</b> USA	UL 94		

# WPC BOARD APPLICATIONS

*The WPC board has different colors, thickness and widths. Matching the corresponding accessories can create a unique beautiful environment. Let us enjoy the beauty of nature and life.*



*Wardrobes*



*Storage Units*



*Kitchen Cabinets & Carcass*



*Cupboards*



*Racks*



*Bathroom Partitions*



*Cut-outs*



*Bathroom Vanities*



*School/Commercial Furniture*



*Commercial & School Locker Rooms*



*Exhibition Stalls / Moppies*

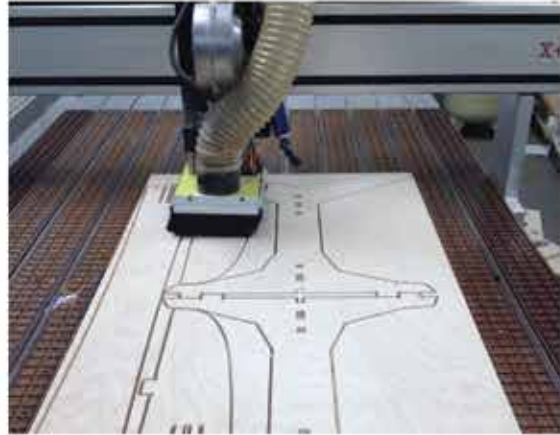
# FABRICATION GUIDE

## Sawing



*All types of saws can be used for cutting WPC boards and other products easily. Avoid overheating of the saws by normal cutting speed.*

## Machining



*All the machining tools like CNC, lathes, oscillating tools and carving machines are used for WPC boards and thus beautiful patterns on boards are obtained.*

## Glue Adhesion



*Two boards can be joined by using different glues. Sheets can also be welded by hot air or fusion welding.*

## Drilling



*All the drilling equipment are used for WPC boards like used for wood. Drill bits can tear out chips of WPC sheets so clean the chips with time to prevent overheating.*

# HARDWARE COMPATIBILITY

*TimbPlast WPC Board is compatible with all kind of hardware to cater the technical and aesthetical needs.*



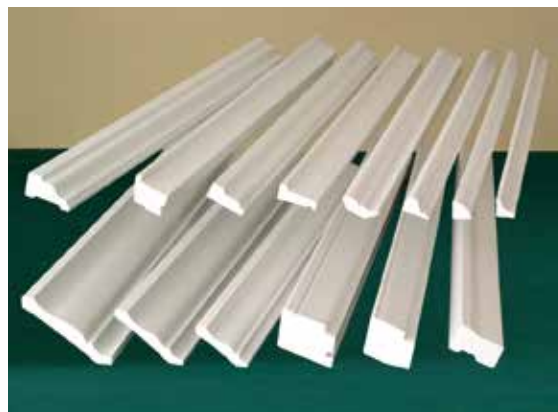
## Lipping/Edge Band

*Traditional PVC/Wood edge bands and paper tapes can be used with TimbPlast WPC board with great ease.*



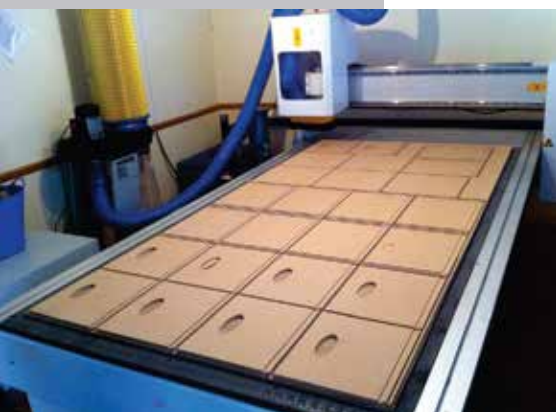
## Mouldings

*All kinds of wood routers (fixed base or plunge) can be used with TimbPlast WPC Board sheets to ensure that you get the best mould of your choice.*



## Fretting

*TimbPlast WPC Board, due to its adaptability with existing woodworking tools such as jigsaw, CNC, Laser Cutter, makes it possible for you to get the variety of fret done.*



## Racks/Cutouts

Aesthetic racks or cutouts for commercial and residential use can be easily fabricated and painted using TimbPlast WPC Board. They can also be used as is, without paint, due to the unique and smooth finish of TimbPlast WPC Board.



## Glue/Adhesives

Conventional adhesives and glues works smoothly with TimbPlast WPC Board and can be used to put together any fabrication or design.



## Bending

TimbPlast WPC Board can be easily bend to any dimension by using heat based bending tools



# PAINT

*Paint colours are powerful decorating tools that have profound effect on our body and mind. TimbPlast WPC Board comes with an unmatched feature. It enables you to paint the WPC Board with colours of your choice.*

## Compatible Paints



*Plastic Emulsion*



*Deco Paints*



*Varnish*



*High Gloss Acrylic Paints*



*Wood Stain*



*Fillers/Poutine*

# PAINT TECHNIQUES



Spray Gun



Brush



Roller

## Printing

Printing on your interiors was never this easy. Whether it is pictorial memories or aesthetic artcrafts, TimbPlast WPC Board can be carved and printed to meet your requirements.



Screen Printing



Digital Flat Bed Printing



Text

# WPC SHUTTERING FOR CONSTRUCTION

*TimbPlast WPC Board is not only immune to rain but also completely termite proof. This light weight and rigid material is a robust and ideal choice for shuttering and can be reused more than 20 times. It gives a fair-face finish to your interiors and outdoors and plastering is no longer required.*

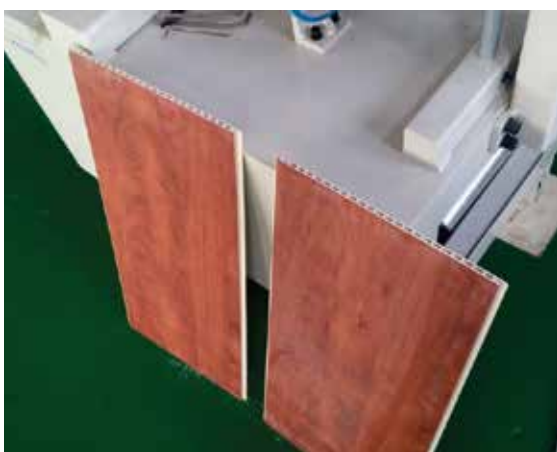


*Note: Due to customized nature of TimbPlast WPC Board shuttering, please mention specifically that you are placing order for construction shuttering.*



# WPC WALL SHEETS

*TimbPlast WPC Wall sheets offers the ultimate wall decorating solutions, with a natural look of wood maintaining the flexibility and durability of wood-plastic composite. The resulting low-maintenance wall sheets are weather resistant, rot proof and splinter free, yet elegantly natural and will give instant beauty and warmth to your home.*



*Available in wide range of colors, textures and sizes.*

# WPC CEILING

*TimbPlast WPC ceiling sheets are complete solution for any interior. Their lightweight material and vast range of colors & textures makes them ideal for any space. They are stable over a wide range of temperature range, weather resistant and can be used in open air.*



*Available in wide range of appearance, colors and sizes.*

# WPC DOORS

*TimbPlast WPC doors are resistant to moisture, water proof, maintenance free fire retardant, resistant to bugs, resistant to oxidation and eco-friendly. Totally hygienic natural and fashionable wooden appearance. Available in wide range of designs and sizes*

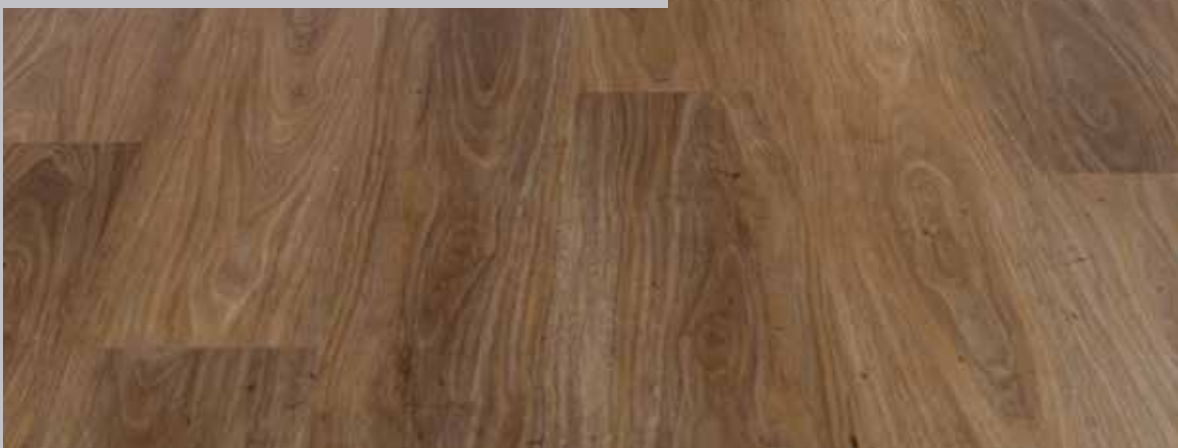


# WPC FLOORING

*This is a solution for the boring balcony, tarrace or patio. With tiles, you will change it to a comfortable and colorful living environment. Together with children, enjoy the happiness, funny and leisure outdoor time. Do it yourself.*

- Better natural surface
- Various color choices
- Longer service life
- Improved surface, better resistant to scratch
- High strength

Size choices: 300x300mm, 300x600mm  
1200x150mm





10 WPC SHEETS = SAVE 1 TREE

EVERY SHEET YOU BUY,  
CONTRIBUTES TO PLANTATION A TREE



### **GJ Industries (Pvt.) Ltd.**

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