



BEST GROUP

Bestvood[™]
PVC Foam Boards

**SEEK
BETTER
THAN
WOOD.**



Bestwood[™]
PVC Foam Boards



PROPOSING A BETTER TOMORROW

An estimated area of one and a half acres of forest which equals to 36 football fields are cut down every second in the world. A large share of the deforestation is being done to meet the global demand for wood to furnish utilities ranging from interior decoration and furnishing to advertising and event decor. Unless we substitute wood with material that will ensure least damage to the environment, the world will face serious ecological imbalances in the near future. It is from this thought that Bestwood took shape.

Bestwood from Polyon Industries offers a durable range of PVC Foam boards that can effectively substitute wood and guarantee finer features. Being South India's sole largest manufacturer of PVC Foam Board Polyon Industries produces Bestwood with maximum possibilities for customization and choice of colours.

Chemically foamed, firm and light weight Bestwood's executed boards have a fine and homogeneous closed cell structure with a smooth matte finish surface on both sides. Bestwood also surpasses several downbeat aspects of wood like termite attacks, flammability, and moisture retention. The brand adheres to the highest quality control policies that extend even to its packaging. Bestwood even provides a masking film on its boards so as to ensure that they do not get damaged during transportation.

Polyon Industries is one of the part of the swiftest expanding and most innovative business groups in the country. Bestgroup India – the group which have more than three decades of expertise in manufacturing and facilitating infrastructure raw materials.

An Inspiring Choice

Unique utilities require unique products.

At BESTWOOD we make sure that your aesthetic and architectural specifications are met accurately.

Discover better execution with three stunning surface textures from BESTWOOD PVC Foam Boards.



FACILITATING A UNIQUE PRODUCT LINE

Constantly on the endeavour to provide choice and perfect solutions, BESTWOOD is the only brand in South India to offer PVC foam boards in such immense variety and three different surface finishes – Matte, Glossy and Wood Grain. These unique and beautiful surface finishes combined with a fine range of White, Colour, Lamination, WPC and Shuttering PVC Foam Boards ensure that you can always have the choice of sourcing a material that is apt for your application.

WHITE BOARDS

COLOUR BOARDS

LAMINATION BOARDS

WPC BOARDS

SHUTTERING BOARDS

WOOD GRAIN





A Remarkable Craft

Multiple purposes seek multiple features.
BESTWOOD has been endowed with several amazing
features that gifts it a clear edge above every
other product in the segment. Most prominent of
them is its resilience against moisture.

FEATURING FINER STRUCTURES

BESTWOOD has several impressive features that make it a sounder choice than wood, Plywood and MDF which has been the conventional choice.



Fine Cell Structure

The closed cell structure of PVC used in the production of BESTWOOD provides it several benefits ranging from light weight to low moisture absorption. Made of polarized molecules, BESTWOOD's extruded boards can be cut into any shape.



Fabrication Friendly

BESTWOOD can be cut, sawed, screwed, engraved and drilled into seamlessly. Such physical properties of BESTWOOD makes it easy to mount and fabricate. They also render BESTWOOD suitable for a large array of utilities. In addition, BESTWOOD also ensures aesthetics and perfection as it can be painted and printed onto finely.



Weighs Lighter

BESTWOOD weighs very less compared to conventional raw materials. Being light makes BESTWOOD easy to handle, install and work with. Yet, BESTWOOD offers great firmness and durability for all kinds of applications.



Arrests Termite Attacks

BESTWOOD's extruded boards are completely termite proof. This is a greatly beneficial feature, especially in countries like India, as BESTWOOD conserves your products from insects and maintains them with quality and appeal.



Nonflammable

BESTWOOD is nonflammable and therefore greatly safe and hard-wearing. This property gives BESTWOOD a clear edge over wood, Plywood and MDF making it extremely suitable for institutional and residential furnishing.



Whiter than most whites

BESTWOOD has been formulated after a great deal of R & D. The quality colour pigmentation imparts BESTWOOD a very bright white colour. This ensures that BESTWOOD has the best in class reproduction and UV stability leading to excellent print precision and quality. This, in addition to the smooth matte surface of BESTWOOD, makes it truly the best material for vinyl graphics, screen and digital printing.



Resilient to Warping

Warping is a major disadvantage with wood, Plywood and MDF. It happens all the time due to erroneous processing and quality issues. Being foam PVC boards, BESTWOOD is resilient to warping ensuring more life and appeal. (As per guidelines)



Immune to moisture

Products from BESTWOOD has excellent immunity to moisture and vapour offering proper protection from wet weather. This unique feature ensures that signage and promotional equipment crafted from BESTWOOD lasts through tough weathers. BESTWOOD is also ideal for furnishing it protects things from moisture and ensures longer life.



Toxin Free

BESTWOOD offers non toxic boards that are safe to live around and use regularly. A health conscious feature, this ensures that BESTWOOD can be used without any concerns about harmful compounds like Formaldehyde and TVOC.



Efficiently Customised

To match your requirements with perfection, BESTWOOD offers customised solutions in terms of size and colour. Thanks to the excellent manufacturing capabilities of Polyon Industries, you could order as per your architectural requirements and find the material ready promptly. This ensures savings on both time and cost.



High Impact Strength

One of the most favourable features of BESTWOOD is its high impact strength, which makes it apt for insulation, display boards and furnishing. BESTWOOD assures protection and resilience owing to its tenacity.



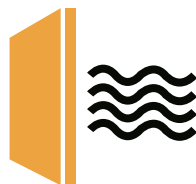
Immune to chemicals

Unlike lesser quality materials, BESTWOOD offers excellent resistance to chemicals. This way products made of BESTWOOD do not get disfigured and retain their aesthetic appeal for a very long time.
(As per guidelines)



Dent and abrasion resistant

While most other furnishing/display board materials are susceptible to dents, scratches and abrasion, BESTWOOD is resistant to all such casualties. This fine quality of BESTWOOD makes it a greatly robust choice.



Excellent Insulation

BESTWOOD offers proper insulation and is therefore a suitable choice for false ceilings, partitions, cabinets and shields. With good acoustic effects as well, BESTWOOD makes an excellent material for different residential and commercial utilities.



Perfect to Print and Engrave

Being smooth surface PVC foam boards, BESTWOOD is easy to print and engrave upon. The aesthetic possibilities of designing BESTWOOD sheets for advertising/promotional merchandise are numerous.



Stain Resistant & Easy to Clean

Apt alike for regular official and residential purposes, BESTWOOD's foam boards are stain resistant and easy to clean as well. Food or beverage stains will not scar furniture made from BESTWOOD. Being easy to clean makes BESTWOOD even more user friendly.
(As per guidelines)

CRAFTING VALUE ADDITION



Residential Interiors

BESTWOOD offers customized foam boards that are beneficial to fabricate beautiful and long lasting kitchen cabinets, artistic wall cladding, bedroom cupboards, cabinets for bathrooms, dining furniture for living rooms and as a durable book shelf for book lovers.

Kitchen Cabinet



Display Unit





Wall Shelf

Easy to fabricate and design, BESTWOOD provides excellent scope for crafting sturdy and aesthetic wall shelves and doors in hues and motifs that best suit your architectural theme. Resistant to warping, corrosion and other such defects, BESTWOOD makes for a splendid raw material for all interior furnishing purposes, especially doors.

Door





Display Furniture

Commercial Interiors

Being light and easy to craft, BESTWOOD is best suited for commercial interior designing. BESTWOOD has the finest properties suitable for making partitions, wall panelling, cloth cabinets, furniture and cash counters.

Counters & Partitions



Workstation



Signage



False Ceilings

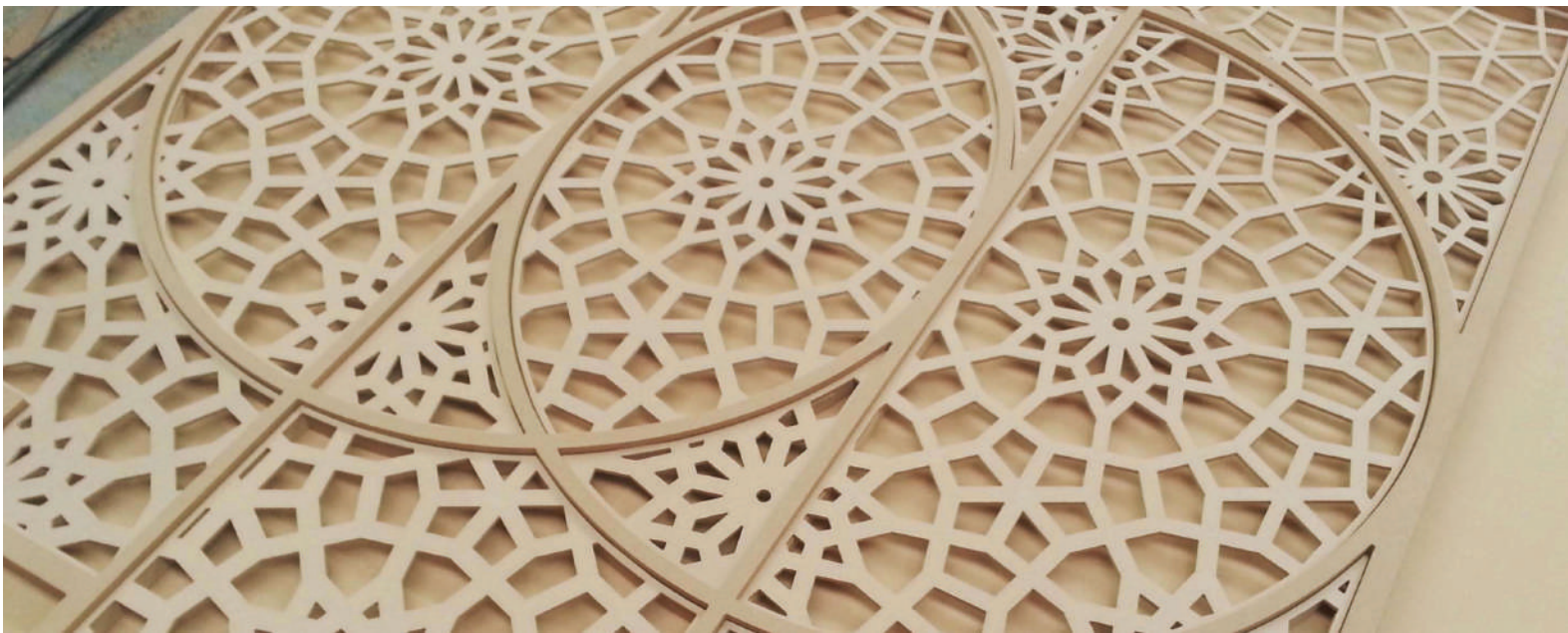


CNC Cutting



Advertising and Promotional Utility

BESTWOOD is extremely durable, light weight and weather resistant, making it perfect for crafting exhibition stalls, event decor, signage, laser engraving materials and so on.



Insulation and Panelling

BESTWOOD'S products have great insulation capabilities and good acoustic effects. Their ability to withstand heat and moisture are also commendable making them a good choice for panelling and insulation.

Wall Panelling



Ceiling

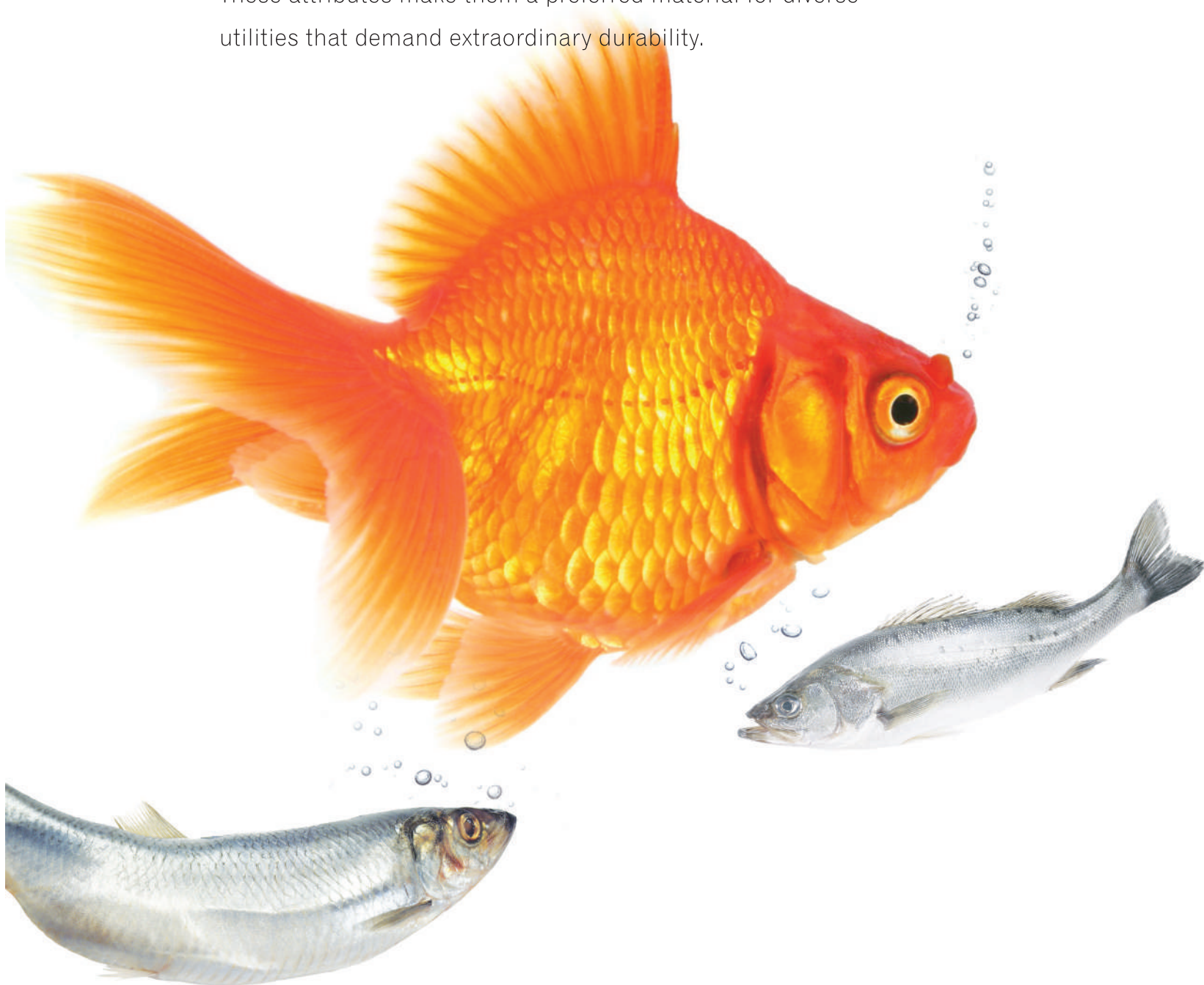


A Distinct Persona

Exceptional results require exceptional inputs.

BESTWOOD ensures a definite edge over every other material in the industry through its fine physical attributes.

These attributes make them a preferred material for diverse utilities that demand extraordinary durability.



ENSURING A BETTER BARGAIN

BESTWOOD offers several benefits over wood, in terms of attributes and cost. Having consistent cell structure and bond strength helps Bestwood score this edge.

| Characteristics | Bestwood™ | Regular Wood | Plywood | MDF |
|--------------------------|--|---|--|--|
| DURABILITY | Highly durability owing to physical attributes | Susceptible to external factors and degradation | Susceptible to decay under wet weather conditions | Highly vulnerable to disfiguration when in contact with water |
| WORKABILITY | Lighter and easy to handle and work upon | Heavy and difficult to work upon/install | Edges and thickness not alterable | Heavy and clumsy to work with |
| FIRE RETARDANCY | 100% fire retardant | Susceptible to fire | Must be specially treated to retard fire | Must be specially treated to retard fire |
| WARPING | Does not warp (As per guidelines) | Warp at the slightest defect in production | May warp or expand if not sealed properly | May warp or expand if not sealed properly |
| DESIGNING/ THERMOFORMING | Can be thermoformed- helping it to be adapted according to different utilities | Cannot be easily designed upon | Difficult edges and susceptible to splinters. Designing not possible | Dense and impossible to custom design |
| COST & SOURCING | Economical and easier to source | Is expensive and difficult to source | Is expensive when labour cost is also calculated | Is expensive when labour cost is also calculated |
| ENVIRONMENT FRIENDLINESS | Is most eco friendly and can be recycled | Involves deforestation | Uses harsh chemicals that can off-gas | Uses harsh chemicals that can off-gas |
| MOISTURE SUSCEPTIBILITY | Is rot free and moisture proof | Highly vulnerable to the effects of moisture | Susceptible to moisture | Highly susceptible to the effects of moisture |
| FABRICATION/ PRINTING | Ease to fabricate/ print on as Bestwood has smooth matte surface on both sides | Difficult to fabricate and print on | Difficult to cut detailed designs | Impossible to stain properly. Dense and difficult to fabricate |
| SPLIT RESISTANCE | Does not crack | Prone to splitting | Edges highly prone to splitting | Strips when screwed into |
| UV RESISTANCE | Highly resistant to UV rays | Very prone to effects of UV rays | Susceptible to UV rays | Susceptible to UV rays |

Provision for Exact Customisation

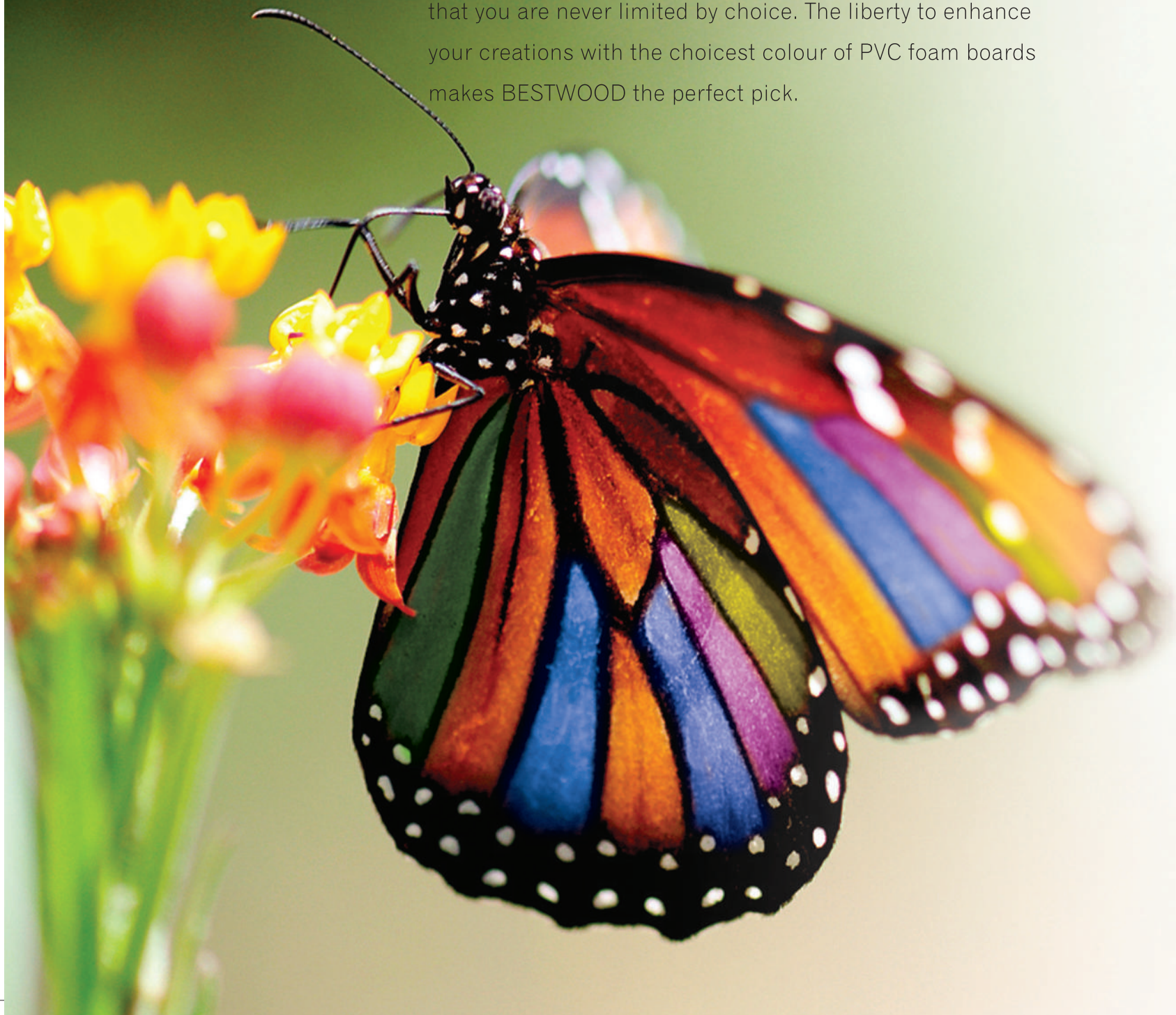
BESTWOOD is offered in the international standard dimension measuring 1 mm to 25 mm. Owing to the state-of-the-art manufacturing facilities at Polyon Industries, BESTWOOD PVC Foam Boards can be custom ordered in a thickness range varying from 1 mm to 25 mm, within which, densities ranging from .50 g/cc to .80 g/cc are also available.

This unique advantage of BESTWOOD ensures that you can get Boards of your preference hassle-free within the shortest duration. BESTWOOD will match the exact specifications that your application demands.

A Vibrant Span

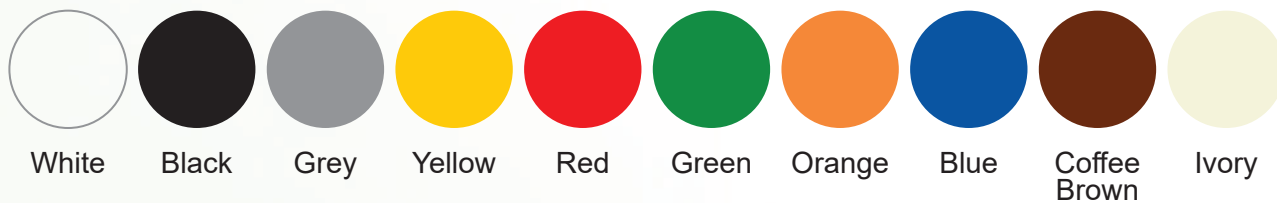
Stunning creations desire stunning hues.

Offering several attractive colours, BESTWOOD ensures that you are never limited by choice. The liberty to enhance your creations with the choicest colour of PVC foam boards makes BESTWOOD the perfect pick.



DELIVERING VIBRANCE WITH QUALITY

For ease of craft and aesthetic quality, BESTWOOD can be custom ordered in a range of vibrant, premium quality colours as listed here:



Glue it right!

BESTWOOD PVC foam boards can be attached to each other or wood/laminates/veneers to render additional strength and thickness, if your application demands so. In order to gain perfect finish and durability when doing so, we recommend the following adhesives.

For attaching BESTWOOD boards to each other:

We recommend any PVC to PVC glue.



Bestwood can also be used as a base board for lamination with HPL, veneer or any other material so as to ensure additional strength and protection against warping.

ECO-FRIENDLY

Bestwood is a highly eco-friendly material as it does not involve cutting of trees and usage of harsh chemicals. Moreover Bestwood can be recycled and reused. This ensures that Bestwood greatly saves on money and resources.



ASSURING A DEFINITE EDGE

BESTWOOD PVC foam board's advantageous physical attributes make it a fabricator's dream. Be it for any purpose, BESTWOOD assures easy handling, installation and aesthetics with countless advantages.

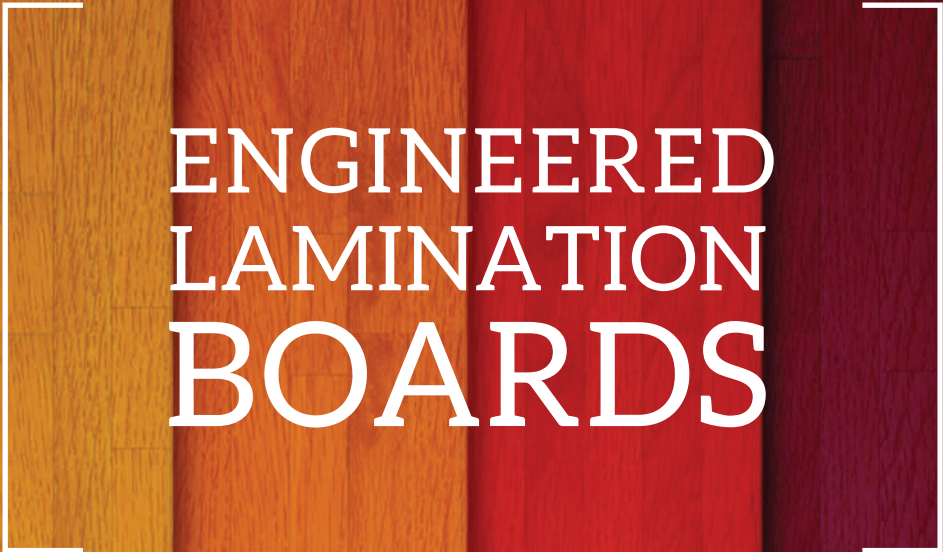


Best to Cut • Best to Saw • Best to Shear • Best for Punching • Best to Drill • Best to Mill • Best to Rivet
Best to Screw into • Best to Paint on • Best to Print on • Best to Photo Mount on • Best to Bend and Adapt
Best to Engrave upon



BESTLAMTM

BONDED WITH THE BEST

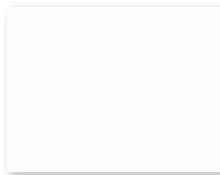


ENGINEERED
LAMINATION
BOARDS

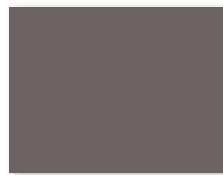
BESTWOOD BYPRODUCT

BESTLAMTM
BONDED WITH THE BEST

Acrylic Lamination Shades



BL AR - 101
WHITE



BL AR - 102
GREY



BL AR - 103
BEIGE



BL AR - 104
RED



BL AR - 105
VIOLET



BL AR - 106
BLACK



BL AR - 107
RED



BL AR - 108
MATT BLACK

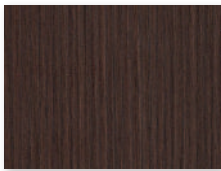


BL AR - 501
METALIC SILVER



BL AR - 502
METALIC BEIGE

Fusion Graphix Lamination Shades



BL FG - 2001



BL FG - 2002



BL FG - 2003



BL FG - 2004



BL FG - 2005

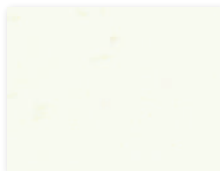


BL FG - 2006

PVC Film Lamination Shades



BL - 1001



BL - 1002



BL - 1003



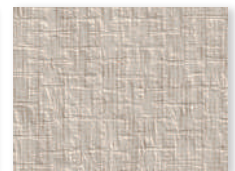
BL - 1004



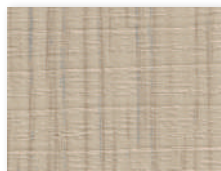
BL - 1005



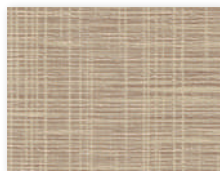
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BL - 1007



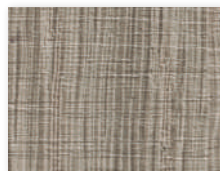
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BL - 1009



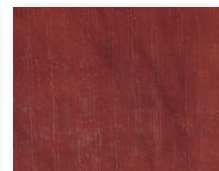
BL - 1010



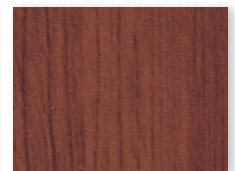
BL - 1011



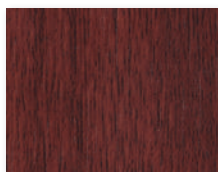
BL - 1012



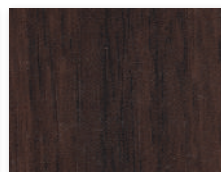
BL - 1013



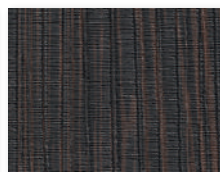
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BL - 1015



BL - 1016



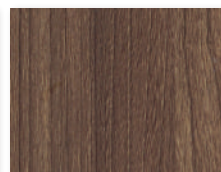
BL - 1017



BL - 1018



BL - 1019



BL - 1020



BESTLAMTM
BONDED WITH THE BEST

Address

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Velakkode, Mundoor
Thrissur - 680541
Kerala, India

Email

bg.bestlam.india@gmail.com

Website

www.bestwood.co.in

Customer Care : 858 99 99 455

Product Range

| Thickness | Std. Width | | Std. Length | |
|---------------|------------|------|-------------|------|
| | mm | inch | mm | inch |
| 1 mm to 25 mm | 1220 | 48 | 2440 | 96 |

* One side embossed pattern also available.

Technical Properties of Bestwood

| Properties | | Test | Unit | Value |
|---|--|---------------|---------|------------------------|
| Physical | | | | |
| Density | | DIN 53479 | g/cc | 0.50 - 0.80 |
| Hardness | | DIN 53505 | Shore D | ≥ 42 |
| Water Absorption | | DIN 53495 | % | ≤ 1.0 |
| Mechanical | | | | |
| Tensile Strength* | | DIN 53455 | MPa | ≥ 15 |
| Elongation at Break** | | DIN 53455 | % | ≥ 15 |
| Modulus of Elasticity | | DIN 53457 | MPa | 900 - 1500 |
| Izod Impact Strength* | | ASTM D256 | KJ/M² | ≥ 9.0 |
| Charpy Impact Strength | | DIN 53253 | KJ/M² | ≥ 15 |
| Flexural Strength | | DIN 53452 | MPa | > 32 |
| Compressive Strength at 10% Deformation | | DIN 53421 | MPa | > 6.5 |
| Electrical | | | | |
| Surface Resistivity | | ASTM D 257 | Ω | > 1 x 10 ¹⁴ |
| Volume Resistivity | | ASTM D 257 | Ω-cm | > 1 x 10 ¹⁵ |
| Dielectric Constant at 1 MHZ | | ASTM D 150 | - | 1.56 |
| Dielectric Strength | | DIN 53481 | KV/cm | ≥ 90 |
| Thermal | | | | |
| Vicat Softening Temperature | | DIN 53460 | °C | ≥ 73 |
| Heat Deflection Temperature @ 1.8 MPa | | DIN 53461 | °C | 58 |
| Coefficient of Linear Expansion | | DIN 53752 | mm/m °C | 0.08 |
| Thermal Conductivity | | DIN 52616 | W/m K | 0.05 - 0.07 |
| Flammability | | | | |
| UK | | BS 476 Part 7 | | Class 1 Y |
| France | | NFP 92-501 | | Class M1 |
| USA | | UL 94 | | V 0 |

* 15 MPa for free foam sheet with typical density 0.7 g/cc | * 13 MPa for free foam sheet with typical density 0.55 g/cc

** 15% for free foam sheet with typical density 0.7 g/cc | ** 13% for free foam sheet with typical density 0.55 g/cc

(The colour shades are only representative) Colours are available in 8 mm and 18 mm thickness.



BestwoodTM
PVC Foam Boards

POLYON INDUSTRIES

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