

WPC AND PLASTIC BUILDING & FURNITURE MATERIALS

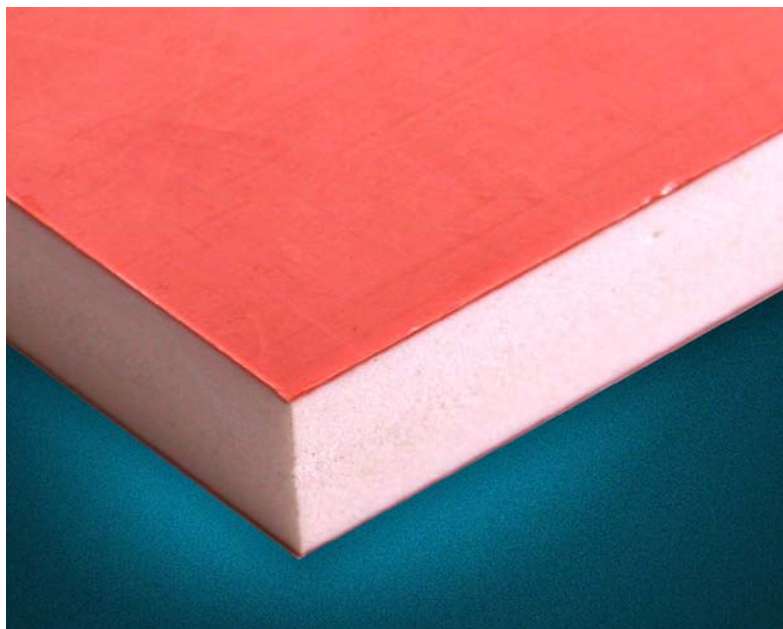
We are a leading Technical and Project Consultancy organization in the field of specialty plastic products (building construction & packaging), wood plastic composites, recycling of rubber & plastics etc. We can provide complete assistance for project planning & implementation for the manufacture of these products. As a first step we can prepare a Techno Economic Project Report enabling you to understand different aspects of the project and take an informed business decision, approach Banks for loan purpose and Govt. departments for statutory clearances. Once you decide to go ahead with the project we can assist you in all activities related to the implementation of the project i.e. selection and sourcing of plant & machinery, plant layout design, sourcing of utilities & support equipment, installation & commissioning of the plant, compounding & processing know-how, trial production, quality control & testing aspects, market intelligence, technical qualification & approval, market intelligence etc.

- 1) PVC Co-extruded Foamed Board (Panel)**
- 2) PVC Foamed Celuka Board (Panel)**
- 3) PVC Foamed Board with Printing & UV Cure Coating**
- 4) Wood PVC Foamed Celuka Board**
- 5) Wood PVC Extruded Door**
- 6) Wood PVC Extruded Door Frame (Choukhat)**
- 7) Wood PVC Extruded Wall Panel & Partition**
- 8) Decorative PVC Extruded profile for Siding / Wall Panel / Skirting / Partitions**
- 9) Three Layer Co-extruded Rigid PVC Roofing Sheet**
- 10) Synthetic Marble (PVC Imitation Marble)**
- 11) Wood HDPE / PP Composite products**

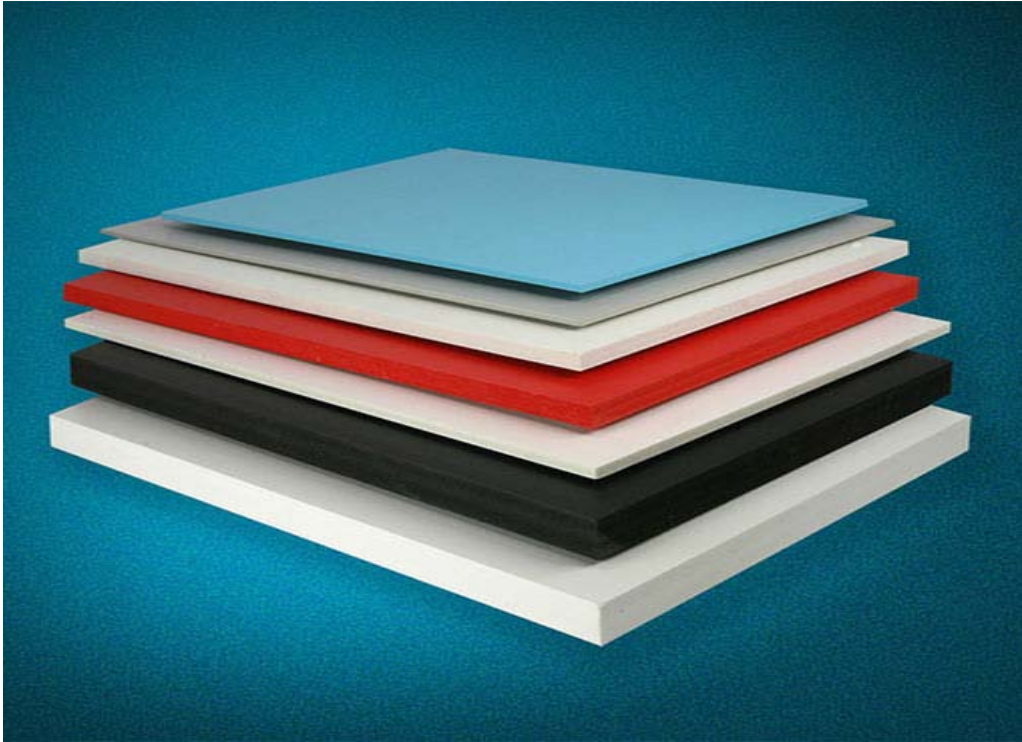
PVC CO- EXTRUDED SANDWICH FOAM BOARD



PVC Co-extruded Foam Board (panel) is a specialty extruded product used in kitchen & bathroom cabinets, furniture cabinets, shelves, wall panel & partitions, signage boards, indoor & outdoor decoration etc. It is a co-extruded sandwich board with PVC foamed core and thin rigid surface layers on either side which are hard, smooth & coloured. Main advantage is light weight and lower cost. The panels can be produced in variety of colours including wood grain effect & shades, marble effect, metallic effect etc.



PVC FOAM BOARD WITH INTEGRAL SKIN (CELUKA BOARD)



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PVC Foam Board with Integral Skin (PVC Foamed Celuka Board) is a high technology extruded specialty product used in kitchen & bathroom cabinets, furniture cabinets, wall cladding & partitions, signage boards, indoor & outdoor decoration etc. It has foamed inner core with integral skin (surface layer) that is rigid, hard & smooth. It can be produced in variety of colours. The material performs similar to a rigid PVC board but is lighter and lower in cost.

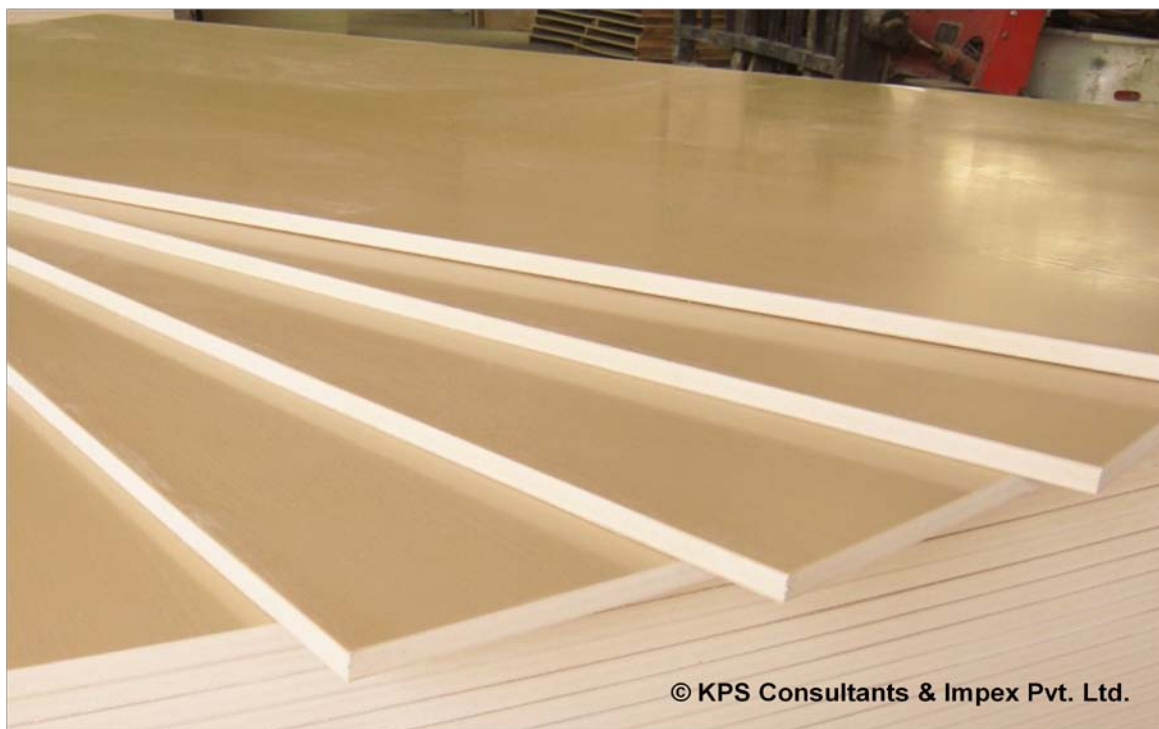
PVC FOAM BOARD WITH PRINTING & UV CURE COATING



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WOOD PVC FOAMED CELUKA BOARD



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Wood PVC Foamed Celuka Board is a high performance and competitive substitute for plywood (BWR, BWP, Marine etc.) in applications such as Kitchen & Bathroom Cabinets, Cupboards, Wardrobes, Closets, Office Furniture, Work Stations, Partitions, Decorative Wall Paneling, etc. Main raw materials are PVC resin (virgin & recycled), wood powder and processing additives. Rice Husk, Bagasse, Bamboo / Jute / Coir Fiber etc. can be used in place of wood flour. The board is extruded like plastics with high throughput and dimensional accuracy. Extruded board is 1220 mm (4 feet) wide and thickness ranges from 5 mm to 25 mm and even up to 30 mm in some cases. The project has reasonably high technology level, is environment friendly, no pollution, low power requirement and very low labour requirement. The panel is laminated with thin multilayer PVC film with variety of colours including wooden shades, wood grain effect, marble effect etc. This reduces requirement of skilled carpenter and hence labour cost substantially and increases productivity. Plywood / MDF panels have to be laminated with Sunmica (HPL), Veneer (that requires staining & polishing) or painted (with a primer coating)

Wood PVC Composite Door Board



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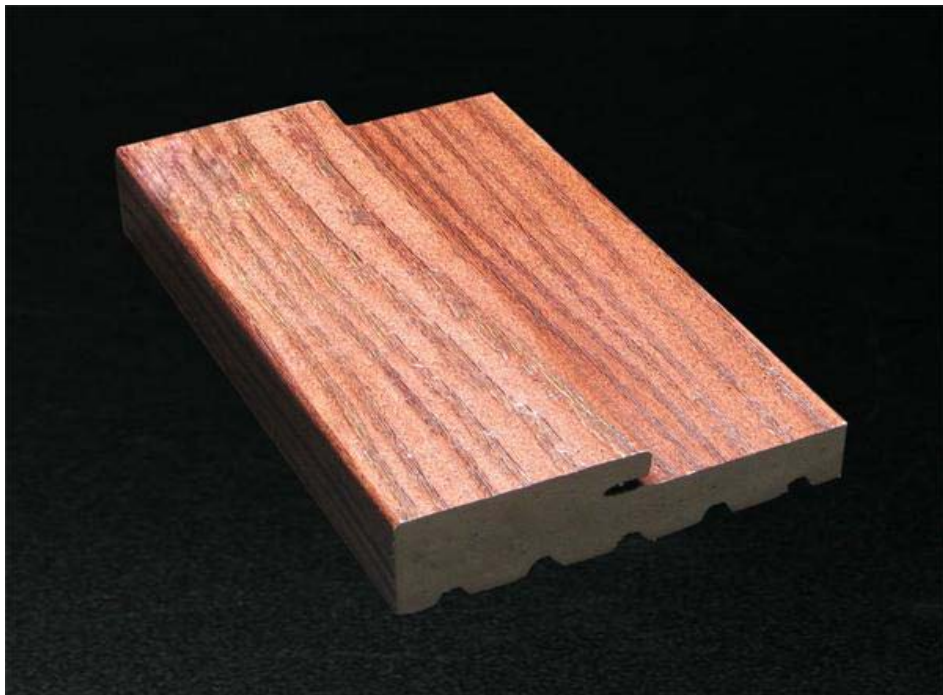


Wood PVC Composite Door Frame



ENGINEERED HOLLOW PROFILE

SOLID EXTRUDED DOOR FRAME



WOOD PVC PROFILES – PARTITIONS / WALL PANEL



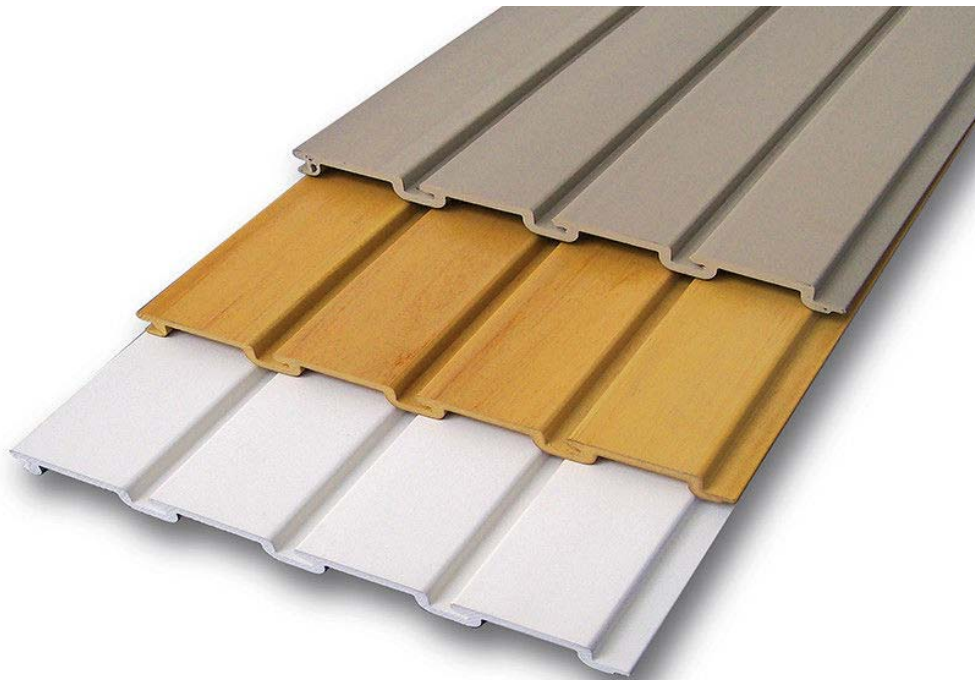
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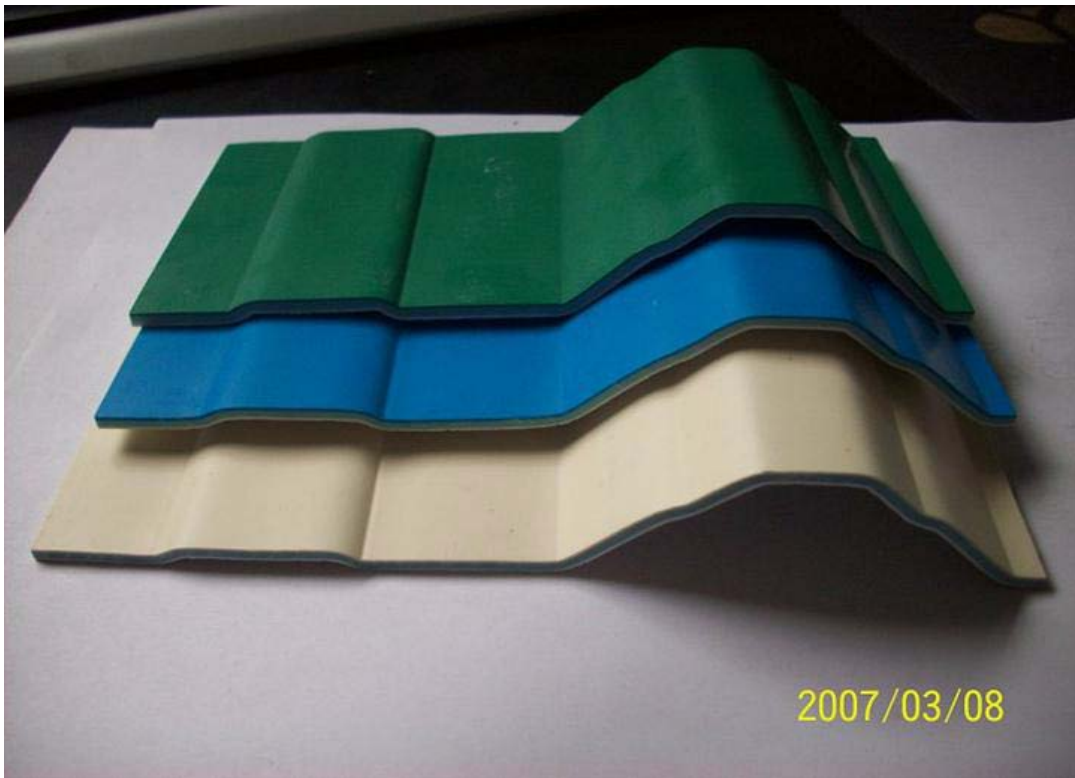
PVC EXTRUDED SIDING / WALL PANEL / WALL PARTITION



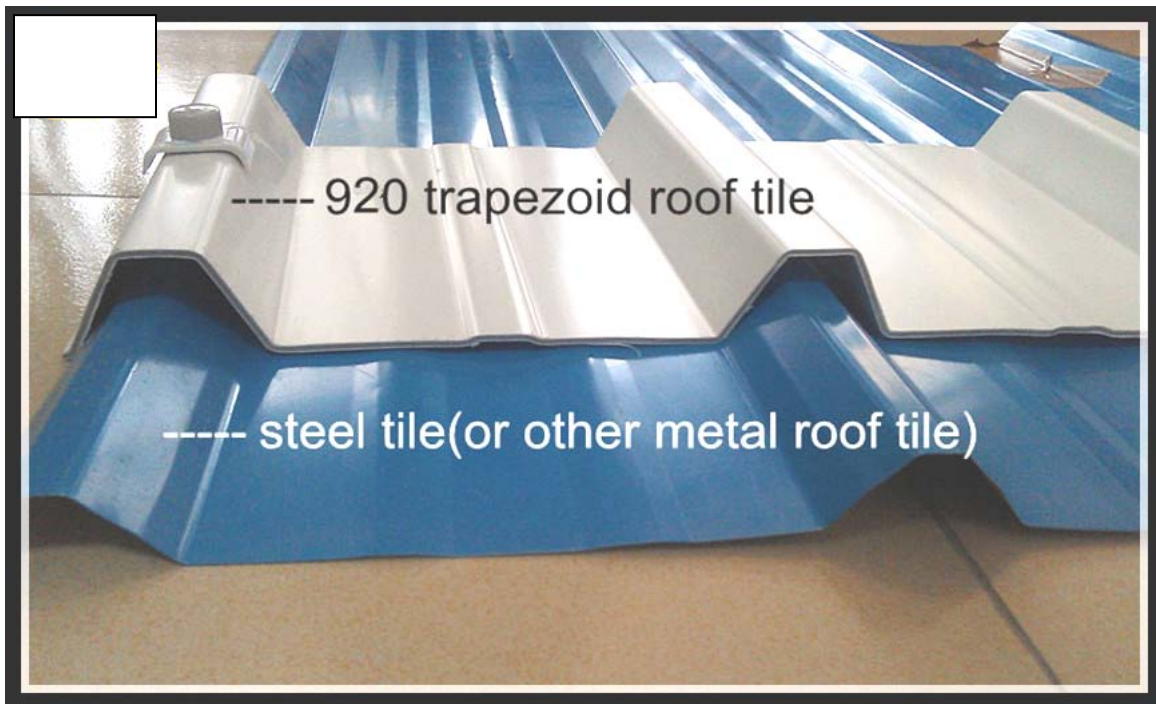
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Three Layer Co-extruded Rigid PVC Roofing Sheet



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Applications

- Factory Building roofing
- Warehouse roofing
- House roofing, Balcony / Porch roofing
- Car parking sheds, Animal sheds, Portable Cabin sheds
- Granary & Market roofing

Advantages

- Durability – long service life
- Excellent heat insulation
- Excellent weathering / corrosion resistance (suited for coastal areas)
- Excellent fire resistance
- High impact strength
- Light weight – lower structural cost
- Acid & alkali resistant
- Can be nailed, sawed and cut easily
- Easy handling & installation (lower cost of installation & transportation)

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W-PVC FOAMED WALL SKIRTING / CEILING COVING

SYNTHETIC MARBLE (PVC IMITATION MARBLE)



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Synthetic Marble or PVC imitation marble is an environment friendly, high performance, light weight and low cost substitute for marble stone moulding profiles and tiles. It is mainly used as an interior decorative material with broad areas of applications such as bathroom & kitchen tiles, door frame moulding, wall paneling & skirting, ceiling edge in hotels, restaurants, living room, commercial & retail space etc. Main advantages of PVC synthetic imitation marble are

- ✓ Environment friendly (uses recycled PVC) --- saving of Natural Resources
- ✓ Light weight (much easier to transport and install) – weight per sq. meter of 4 mm thickness sheet will be 6 to 8 kg.
- ✓ Exact imitation of marble effect with glossy and hard surface
- ✓ Easy to cut / saw / drill / nail / screw and fix to the wall substrate
- ✓ Water and moisture resistant
- ✓ Hard and smooth surface with excellent wear and scratch resistance
- ✓ Excellent impact & crack resistance and bending strength

- ✓ Fire retardant material
- ✓ Long service life, easy to clean and low maintenance cost
- ✓ Thin sheets or tiles of 2 to 4 mm can be used effectively
- ✓ Intricate extruded shapes can be produced (which with marble will be costly & time consuming to produce)



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WOOD – HDPE / PP COMPOSITES



W- HDPE PALLET

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ENGINEERED HOLLOW DECKING PLANK



SOLID DECKING PLANKS

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WOOD HDPE WINDOW PROFILE WITH ALUMINIUM FOIL LAMINATION