PRODUCT CATALOGUE

Concrete Products

12 PLANTS ALL OVER PAKISTAN
HOLLOW CORE SLABS

Hollow core slabs are precast and pre-stressed concrete elements with continuous voids to reduce weight and cost, and hence provide an efficient structural system. Hollow core slabs can be used with virtually all types of structural systems including cast in-situ and precast concrete beams, load bearing walls and steel structures.

FEATURES:
- Economical solution due to weight reduction.
- Longer span range / better load capacity.
- Compatible with all types of structural system.
- Low heat and sound transmission properties.
- Fair-face bottom side finish.
- Reduced construction time.
- Fire resistant.

APPLICABLE USES
- Industrial buildings.
- Residential buildings.
- Parking plazas.
- Schools & Hospitals.
- Multi-storey buildings.
- Hotels.

AVAILABLE SIZES (mm):
- 1190 X 200
- 1190 X 300

DOUBLE TEE SLABS

FEATURES:
- Low initial cost.
- Speedy construction.
- Long spans upto 80ft.
- Durable structure.
- Good acoustic & fire properties.
- High plant controlled quality.
- Can be disassembled and reused.

APPLICABLE USES:
- Industrial buildings
- Warehouses.

AVAILABLE SIZES:
- 9’ - 0” X 24”
- 9’ - 0” X 30”
- 10’ - 0” X 24”

GIRDER-SLABS

FEATURES:
- Most economical roofing solution.
- Fast erection.
- High Plant controlled precision.
- Green Product.
- Reusable.
- Pretested Material.

APPLICABLE USES:
- Poultry sheds.
- Factories.
- Dairy Farms.
- Cold Stores
- Houses.
- Warehouses.
- Parking sheds.

AVAILABLE SIZES:
Girders section:
- 4” X 9" and 4" X 10"
- 5" X 12" and 5" X 14"
- 6" X 15" and 6" X 17"

Slabs:
- 1’-6” wide and up to 6’-6” long
- 1’-0” wide and up to 6’-6” long
- 1’-9” wide and 4’-7” long
PRECAST WALL SYSTEMS

BOUNDARY WALLS

FEATURES:

• Plant controlled quality.
• Cost effective solution.
• Modular and fast construction.
• Saving in labour and formwork cost.
• Reusable.
• Neat and consistent overall appearance.
• Green Product.
• Available in both single panel and plank system.
• Coloured strips maybe added for beautification.

APPLICABLE USES:

• Housing societies.
• Agricultural land.
• Warehouses.
• Factories.
• Parks.
• Schools and universities.
• Hotels.
• Farmhouses.

Interlocking mortar less system is a new innovative concept to render the masonry construction more economical and faster, compared to the conventional masonry construction which has mortar joints. They can be effectively used in boundary walls as well as building construction.

FEATURES:

• Eco friendly
• No mortar & plaster requirement.
• Completely reusable.
• Speedy build-up process.
• Cheaper per sft. construction cost.
• Load bearing up to 3 stories high.
• Low manpower costs.
• Turnkey solution with pre-cast columns and beams.

AVAILABLE SIZES:

<table>
<thead>
<tr>
<th>Use</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boundary Wall</td>
<td>240mm</td>
<td>150mm</td>
<td>115mm</td>
</tr>
<tr>
<td>Wall (Building)</td>
<td>240mm</td>
<td>200mm</td>
<td>115mm</td>
</tr>
</tbody>
</table>
EPS Sandwich Panel is a kind of lightweight energy saving wall material, which uses cement fiber board as face panel, filled with cement and expanded polystyrene (EPS) foam particles as core material. Introduction of this revolutionary product replaces the traditional brick/block masonry in partition walls, due to its dry construction process and energy saving qualities.

**FEATURES:**

- Environment-friendly, Green product
- Fast and efficient construction:
- Lightweight and economy
- Fireproof
- Heat preservation
- Sound insulation
- Hanging loads and stickability
- Increased usable area
- Moisture Proof and Waterproof
- Anti-pressure, Anti-earthquake, Anti-impact

**TECHNICAL PROPERTIES OF EPS PANELS**

<table>
<thead>
<tr>
<th>Properties</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>2440x610</td>
<td>mm</td>
</tr>
<tr>
<td>Thickness</td>
<td>100</td>
<td>mm</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>800</td>
<td>psi</td>
</tr>
<tr>
<td>Surface Density</td>
<td>50-60</td>
<td>kg/m²</td>
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<tr>
<td>Fire Endurance</td>
<td>4</td>
<td>hrs</td>
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<tr>
<td>Sound Insulation</td>
<td>42</td>
<td>dB</td>
</tr>
<tr>
<td>Thermal Coefficient</td>
<td>≤0.5</td>
<td>W/m².K</td>
</tr>
<tr>
<td>Hanging Load</td>
<td>50</td>
<td>kg</td>
</tr>
</tbody>
</table>
FEATURES:
• High load bearing capacity
• Anti-skidding
• Interlocking features
• Resistance to salt attack
• Long lasting & re-usable
• Maintenance free
• High Plant controlled precision
• Green Product

APPLICABLE USES:
• Exterior walls.
• Interior walls.
• Partition walls.
• Boundary walls.

AVAILABLE THICKNESS:
50mm | 60mm | 80mm

SOLID/HOLLOW BLOCKS
FEATURES:
• Speed up the construction process.
• Strong, durable, versatile and saving of construction cost.
• Saving in plaster.
• Saving in mortar.
• Low maintenance cost.
• Fire Resistant.
• Hollow blocks provide good sound and heat insulation.

APPLICABLE USES:
• Exterior & interior walls
• Load bearing walls (226mm)

AVAILABLE SIZES (mm) (L x W x H):
SOLID
• 300 x 100 x 200
• 300 x 150 x 200
• 300 x 200 x 200
• 390 x 90 x 190
• 390 x 140 x 190
• 390 x 190 x 190

HOLLOW
• 390 x 100 x 190
• 390 x 150 x 150
• 390 x 200 x 190
• 390 x 90 x 190
• 390 x 140 x 190
• 390 x 190 x 190

HOLLOW BRICKS
FEATURES:
• Light weight
• Speeds up the construction process
• Strong, Durable, Versatile and saving of construction cost
• Saving in plaster
• Saving in mortar
• Low maintenance cost
• Fire Resistant
• Provide good Sound and Heat insulation

APPLICABLE USES:
Partition walls (108mm)
Boundary walls

AVAILABLE SIZE (mm) (L x W x H):
• 226 x 108 x 113
As the name implies, cellular light weight concrete blocks are extremely light weight and widely used for internal and external construction. These blocks are manufactured using cement, fly ash / sand and a foaming agent. Depending upon the strength requirements for load bearing and non load bearing walls, 50% to 75% volume of these blocks is constituted of air. These blocks are easy to install, nail, drill and cut for pipes and conduits.

FEATURES:
- Light weight
- Saving in sub structure cost of multi-storied buildings
- Sound & thermal insulation
- Fire Resistant
- Cost effective
- Eco friendly material

AVAILABLE SIZE (mm) (L x W x H):
- 600 x 100 x 200
- 600 x 150 x 200
- 600 x 200 x 200

KERB STONES & SURFACE DRAINS

Kerb Stone Available Sizes (mm) (L x W x H):
- 300 x 150 x 300
- 300 x 150 x 350
- 300 x 150 x 450
- 750 x 120 x 300
- 300 x 100 x 300
- 1000 x 150 x 280

Edging Stone Available Sizes (mm) (L x W x H):
- 150 x 60 x 300
- 160 x 100 x 190 (K-2)

PRECAST SECURITY BARRIERS

FEATURES:
- Readily available.
- Security protection.
- Dissipate kinetic energy of the vehicle.
- Require little to no maintenance.
- Secured from erosion and degradation.
ARCHITECTURAL CONCRETE PRODUCTS

ROCK TILES

GRASS GRID

LANDSCAPING BLOCK

HEXAGON RETAINING BLOCK

FACING BLOCKS

BULLNOSE STONE

MUGHAL TILES

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