EPS-expanded-polystyrene-styrofoam-beads-panels-features

EPS expanded polystyrene styrofoam beads panels features

EPS expanded polystyrene styrofoam beads cement sandwich concrete panels, is a solid core sandwich panel composite by calcium silicate boards as thin-skin layer, expanded polystyrene beads as light weight aggregate, its substitution of conventional brick wall partition, due to its various features, it’s largely employed by South Asia, Africa, Russia, and especially where has extreme weather.

**EPS expanded polystyrene styrofoam beads panels features**

<table>
<thead>
<tr>
<th>No.</th>
<th>Features</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lightweight</td>
<td>650kg/m3, 50kg/m2, lightweight aggregate sandwich core material</td>
</tr>
<tr>
<td>2</td>
<td>Fireproof</td>
<td>Reaction to fire, 4 hours fire resistance</td>
</tr>
<tr>
<td>3</td>
<td>Fast construct</td>
<td>40m2/labor/day, easily be cut, carry, transport, and install</td>
</tr>
<tr>
<td>4</td>
<td>No plaster</td>
<td>Calcium silicate boards as double side skin layers with flat and smooth surface, can received finishing directly with thick plastering</td>
</tr>
<tr>
<td>5</td>
<td>Economic</td>
<td>Saving up to 30%, Lower material cost, lower labor cost, shorten construction period</td>
</tr>
<tr>
<td>6</td>
<td>Space saving</td>
<td>5% room space saving due to shorten the wall thickness, as well as no plaster layers</td>
</tr>
</tbody>
</table>

1. Lightweight
2. Fireproof

www.lightweight-wall.com
3. Fast construct
4. No Plaster
5. Economic
6. Space saving

<table>
<thead>
<tr>
<th>No.</th>
<th>Features</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Eco-friendly</td>
<td>Innnoxious material, asbestos free, eco friendly, green material</td>
</tr>
<tr>
<td>8</td>
<td>Soundproof</td>
<td>42dB sound insulation</td>
</tr>
<tr>
<td>9</td>
<td>Anti-seismic</td>
<td>Earthquake resistance, durable during shakes</td>
</tr>
<tr>
<td>10</td>
<td>Thermal insulation</td>
<td>Thermal conductivity 0.17W(w²•k); thermal property 0.21W(m•k)</td>
</tr>
<tr>
<td>11</td>
<td>Damp proof</td>
<td>Excellent waterproof, damp proof, especially with double sides calcium silicate layers</td>
</tr>
<tr>
<td>12</td>
<td>Heavy anchorage</td>
<td>Nail directly with 150kg load anchorage, suspend TV, A/C, cabinets</td>
</tr>
</tbody>
</table>
7. Eco-friendly  
8. Soundproof  
9. Anti-seismic  
10. Thermal insulation  
11. Damp proof  
12. Heavy anchorage

Expanded styrofoam beads room dividers partition features