LIGHTWEIGHT BLOCK
MASONRY MORTAR

MORTAR

SCG

LIGHTWEIGHT BLOCK MASONRY
PREMIUM PRODUCT OF THAILAND
NET WEIGHT 50 kg.
LIGHTWEIGHT BLOCK
MASONRY MORTAR

Product Information
• Special for lightweight block masonry mortar
• Package: 50 kg/bag

General Property
• Consist of special water retention admixture to provide soft and adhesive texture easily for configuration and masonry range management.
• Consist of extra adhesive admixture to strengthen the wall.

Special Property
• Usable with all kinds of lightweight blocks.
• Save masonry time and provide quick work.

Application Method
• Mix 1 bag with 14-15 litres of clean water.
• In case of mixing by trowel, mix not exceeding 5 kg. for each time with clean water and thoroughly stir until it is well mixed.
• In case of mixing by agitated electric drill, mix not exceeding 10 kg. each time with clean water and thoroughly stir until it is well mixed.
• For large quantity require, mix not exceeding 50 kg. each time with clean water in mixing container until it is well mixed.
• Temperature Range: 10-40°C
• Application Humidity: min 50%
• Pot Life: 120 minutes

Supplementary Equipment
• Trowel for lightweight block masonry mortar
• Agitated electric drill.

Application Area (m²/bag)
• For lightweight block masonry mortar of standard size 7.5 cm: Approx. 25-30 m²/50 kg. at 2-3 mm. thick
*Information from laboratory test

Suggestion
• It is recommended to use within 2 hours after mixing
• Don’t add any water after setting.
• It is recommended to install round rod (Arc) at every 50 cm. to strengthen the wall.
• It is recommended to spray water for approx. 1-2 days after masonry.

TECHNICAL DATA

Test Data

<table>
<thead>
<tr>
<th>Property (Method)</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet Property  pH of mix (ph meter)</td>
<td>-11</td>
</tr>
<tr>
<td>Specific Gravity of mix; g/cm³ (ASTM C 188)</td>
<td>2.80</td>
</tr>
<tr>
<td>Air Content; % (ASTM C 185)</td>
<td>12-18</td>
</tr>
<tr>
<td>Water Retention; % (ASTM C 91)</td>
<td>92-106</td>
</tr>
<tr>
<td>Time of Setting; minute (ASTM C 807)</td>
<td>200-280</td>
</tr>
<tr>
<td>Dry Property  Compressive Strength; N/mm² (ASTM C 109/109M)</td>
<td></td>
</tr>
<tr>
<td>7 days</td>
<td>5-10</td>
</tr>
<tr>
<td>28 days</td>
<td>9-15</td>
</tr>
<tr>
<td>Bonding Strength; N/mm² (ASTM C 952)</td>
<td></td>
</tr>
<tr>
<td>7 days</td>
<td>0.2-0.5</td>
</tr>
<tr>
<td>28 days</td>
<td>0.4-0.9</td>
</tr>
</tbody>
</table>

Product Identity

Aggregate State: Powder
Color: Grey
Bulk Density: 1.5kg/L
Storage & Shelf Life: Storage in dry conditions, avoid moisture and water

Accreditation:
Water retention: ASTM C91-03, TIS 1766-2542
Compressive strength: ASTM C109/C109M-02
Air content: ASTM C185-02, TIS 1766-2542
Time of setting: ASTM C807-66, TIS 1766-2542
Bonding Strength: ASTM C952-91