DESCRIPTION
This product can be created by the addition of either polystyrene beads (non-structural) or a lightweight aggregate (structural). These products, although both are lightweight have several important differences and these must be noted before ordering.

WHERE TO USE
POLYSTYRENE LIGHT WEIGHT CONCRETE (Non-structural)
• Insulation
• Leveling/Screeds
• Void filling

LIGHT WEIGHT AGGREGATE CONCRETE (Structural)
• Structural light weight concrete requirements
• Architectural finishes eg. Cladding

ADVANTAGES OF LIGHT WEIGHT CONCRETE
POLYSTYRENE LIGHT WEIGHT CONCRETE (Non-structural)
• Exceptionally low densities are obtainable
• Superior insulation
• Can be hand packed
• Minimal compaction required
• Cost effective solution

LIGHT WEIGHT AGGREGATE CONCRETE (Structural)
• Structural strengths obtainable at lower densities
• Time saving with backfilling

MINIMUM STANDARD FOR LIGHT WEIGHT CONCRETE

<table>
<thead>
<tr>
<th>POLYSTYRENE LIGHT WEIGHT CONCRETE (Non-structural)</th>
<th>LIGHT WEIGHT AGGREGATE CONCRETE (Structural)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specified by Density</td>
<td>Can achieve up to 30MPa dependant on density requirements – (800kg/m3 – 1600kg/m3)</td>
</tr>
<tr>
<td>Cement Type</td>
<td>Cement Type</td>
</tr>
<tr>
<td>100% OPC where available</td>
<td>100% OPC where available</td>
</tr>
<tr>
<td>Aggregate Size</td>
<td>Aggregate Type</td>
</tr>
<tr>
<td>Polystyrene beads</td>
<td>Combination 19mm and light weight aggregate</td>
</tr>
<tr>
<td>+/- 60mm</td>
<td>+/- 75mm</td>
</tr>
</tbody>
</table>

NOTE
• Careful consideration has to be taken when matching density and strength.
IMPORTANT RECOMMENDATIONS
Good standard concrete practice must be adhered to at all times, as per SANS 1200G. Proper curing is essential to create the conditions for crystalline growth within the concrete.

SAFETY PRECAUTIONS
The use of safety goggles and gloves is recommended when placing concrete.

FIRST AID

EYES: Immediately flush eyes, including under lids, with water for at least 15 minutes to remove all particles. If necessary, seek medical advice.

SKIN: Wash skin with cold water and a pH neutral soap as soon as possible, except where open wounds are visible. Attention should be paid to wounds and fresh scars which should be covered with protective paraffin gauze. Seek medical help in cases of prolonged contact with wet concrete.

INGESTION: Rinse mouth with clean water. If swallowing has occurred drink plenty of milk or water. Do not induce vomiting. Seek medical attention immediately.

INHALATION: Remove to fresh air. If symptoms persist seek medical attention.

CONTACT DETAILS
FOR FURTHER INFORMATION, CONTACT THE LAFARGE TECHNICAL DEPARTMENT AT ANY OF THE CENTRES BELOW:

| Gauteng:   | (011) 253 4620 |
| Cape Town: | (021) 508 8000 |
| Durban:    | (031) 275 7400 |
| East London: | (043) 726 9214 |
| Port Elizabeth: | (041) 395 7700 |
| George:    | (044) 870 7077 |

SALES AND ORDERS

HEAD OFFICE
Tel: (011) 657 0000

EASTERN REGION
Tel: (031) 275 7400

NORTHERN REGION
Tel: (011) 657 2222

SOUTHERN REGION
Tel: (021) 508 8000

Lafarge South Africa
35 Westfield Road
Longmeadow Business Estate Ext 11, Edenvale, 1609
Tel: 0860 LAFARG / 0860 523 274
or 0861 LAFARG / 0861 523 274
Main fax: 086 631 0006

www.lafarge.co.za