LIGHT SAND

Mineral aggregate, fire resistant, phonetic-absorbent and thermo-insulating ideal for

INTERNAL AND EXTERNAL FLOOR SUPPORTS,
PLASTERS, LIGHT CONCRETES,
GREEN CARPET SOWING
**Technical characteristics**

Tefralite is a natural product deriving from the shattering and screening of particular volcanic lava characterized by high porosity and structural resilience. Each granule of Tefralite has between the 40% and 60% of empty space, thus it can be utilized in all those fields that need a light liquidary aggregate with high phonetic-absorbent and thermo-insulating power. Tefralite is ice resistant, chemically inert, insoluble, odorless, poisonous less and free of reactive silica, organic pollutants and water-blasted minerals. Tefralite is high temperature resistant (up to 900 °C) and ignitable. Tefralite thanks to its chemical composition, draining and humidity regulation properties is an excellent support for green areas, green terraces and floral nurseries.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Aggregate grading:</td>
<td>0/2 mm</td>
</tr>
<tr>
<td>Aggregate bulk density:</td>
<td>1.100 kg/m³</td>
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<tr>
<td>Dry thermal conductivity:</td>
<td>0.16 W/mK</td>
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<tr>
<td>Reaction fire:</td>
<td>Class “0” Incombustible</td>
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**Building mix**

- **FINE light floor support:**
  1 bag of Tefralite light sand 0/2 • 5-7 kg of 32.5 cement • 3-4 liters of water

- **LARGE light floor support:**
  1 bag of Tefralite light granulate 3/10 • 7-8 kg of 32.5 cement • 4-5 liters of water

- **LIGHT concrete:**
  1 bag of Tefralite light sand 0/2 • 2 bags of Tefralite light granulate 3/10 • 34-36 kg of 32.5 cement • 14-18 liters of water

- **POROUS concrete:**
  1 bag of Tefralite light granulate 3/10 • 11-12 kg of 32.5 cement • 5-7 liters of water

- **STRUCTURAL concrete:**
  1 bag of Tefralite light sand 0/2 • 2 bags of Tefralite light granulate 3/10 • 34-36 kg of 42.5 cement • 14-18 liters of water

- **BLOCKS mortar:**
  2 bags of Tefralite light sand 0/2 • 1 bag of Tefralite light granulate 3/10 • 11-12 kg of 32.5 cement • 11-12 kg of lime • 12-14 liters of water

- **PLASTER:**
  1 bag of Tefralite light sand 0/2 • 3-4 kg of 32.5 cement • 3-4 of lime • 3-5 liters of water

**Tefralite** light sand is available in bags of 25 kg. Packaging is made according to the actual normative concerning workers’ health and safety (D.Lgs. 626/94). Bags are packed on 1,5 tons pallets. Tefralite light granulate is also available on Big Bags of 1.0 or 1.5 m³. Tefra is also ready to use substrata:

- Gardening
- Green carpets
- Mulch

**Chemical composition**

<table>
<thead>
<tr>
<th>SiO₂</th>
<th>Al₂O₃</th>
<th>Fe₂O₃</th>
<th>CaO</th>
<th>MgO</th>
<th>Na₂O</th>
<th>K₂O</th>
</tr>
</thead>
<tbody>
<tr>
<td>48.8%</td>
<td>16.9%</td>
<td>7.8%</td>
<td>9.8%</td>
<td>4.2%</td>
<td>8.6%</td>
<td>1.8%</td>
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