

# tefralite

NATURAL PRODUCT



## LIGHT SAND

Mineral aggregate, fire resistant, phonetic-absorbent  
and thermo-insulating ideal for  
**INTERNAL AND EXTERNAL FLOOR SUPPORTS,  
PLASTERS, LIGHT CONCRETES,  
GREEN CARPET SOWING**

# tefralite

NATURAL PRODUCT



## • 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 lapidary 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 bloated 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.

**Aggregate grading:** 0/2 mm  
**Aggregate bulk density:** 1.100 kg/m<sup>3</sup>  
**Dry thermal conductivity:** 0.16 W/mK  
**Reaction fire:** Class "0" Incombustible

## • 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 • 16-18 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 • 16-18 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** is a porous aggregate and therefore it has an absorbent power that tends to reduce the amount of water available for the binding agent; thus it is essential to verify the correct amount of water directly from the mix compactness and, if necessary, add some to saturate the aggregates. **Attention! Tefralite** is not recommendable for floor supports particularly sensitive like wood and laminated fabrics.

## • Chemical composition

SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	K <sub>2</sub> O	Na <sub>2</sub> O
48,8%	16,9%	7,8%	9,8%	4,2%	8,6%	1,8%



BAG  
25 Kg.



PALLET  
1,5 Ton.



BIG BAG  
1.0 / 1.5 m<sup>3</sup>



**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 m<sup>3</sup>.

**Tefra** is also ready to use substrata:

**tefragarden** Gardening

**tefragreen** Green carpets

**tefrared** Mulch



CAVA  
**LAPILLO**  
e POZZOLANA

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