

# PERTERRA

## EXPANDED PERLITE - SOIL AMPLIFIER AND IMPROVER

**Product Description :** PERTERRA is produced by mineral perlite, mined in the island of Milos in Greece. Perlite is an inorganic aluminosilicate mineral of volcanic origin with 3-4% crystalline water in its structure. Without any chemical admixture, perlite is heated to approximately 1.000°C, resulting in its expansion. The material is very lightweight and can hold up to 3 - 4 times its weight in water. Its total porosity is about 95%.

- Usage :**
- Soil improver
  - Seedling production
  - Cuttings propagation
  - Ingredient for mixtures used for growing ornamental plants in the greenhouse
  - Ingredient for soil mixtures used for growing indoor and outdoor plants
  - Preparation of mixtures for gardens and flowerbeds
  - Turf installation
  - Preservation and rooting of bulbs
  - Suitable for packing, storing and transferring rooted cuttings
  - Weight reduction and drainage improvement of plant pots on terraces and roof gardens



**Technical Features :**

	Sieve (mm)	Passing (%)	
Grain size :	5	90 - 100	
	4	77 - 87	
	2	25 - 30	
	1	2 - 5	
	0.5	1 - 2	
	0.25	0 - 1	
Dry apparent weight :	60 - 80 kg/m <sup>3</sup>	(EN 13040)	
pH :	7.4 ± 1%	(EN 13037) 1:5 v/v sample/deionized water	
Electrical conductivity in extract :	15 – 20 µS/cm	(EN 13038) 1:5 v/v sample/deionized water	
Water Holding capacity :	420 - 440 ml H <sub>2</sub> O/100 g of sample	(Methods of analysis for soils)	
Typical chemical analysis :			
SiO <sub>2</sub>	73.1 %	Fe <sub>2</sub> O <sub>3</sub>	1.2 %
Al <sub>2</sub> O <sub>3</sub>	13.3 %	CaO	0.95 %
K <sub>2</sub> O	4.3 %	MgO	0.5 %
Na <sub>2</sub> O	3.3 %		
Heavy metals :			
Cd	≤ 1.5 mg/kg	Pb	≤ 120 mg/kg
Cr VI	≤ 2 mg/kg	As	≤ 40 mg/kg
Hg	≤ 1 mg/kg	Cu	≤ 200 mg/kg
Ni	≤ 50 mg/kg	Zn	≤ 500 mg/kg

No radioactivity is detected in the material.

**Packaging :** Bags of 100lt