

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 (%)
	5	90 - 100
Grain size :	4	77 - 87
	2	25 - 30
	1	2 - 5
	0.5	1 - 2
	0.25	0 - 1
Dry apparent weight :	60 - 80 kg/m ³	(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 ₂ O/100 g of sample	(Methods of analysis for soils)

Typical chemical analysis :

SiO ₂	73.1 %	Fe ₂ O ₃	1.2 %
Al ₂ O ₃	13.3 %	CaO	0.95 %
K ₂ O	4.3 %	MgO	0.5 %
Na ₂ 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