www.europomice.com info@europomice.it

VULCAMIX

FERTILE SOIL FOR CONSTRUCTION OF GRASS CARPETS

COMPOSITION:

Mineral substrate consisting of a mixture of natural volcanic aggregate (pumice and vulcanite, of which 25% are sands of volcanic lapillus and 75% are sands of pumice).

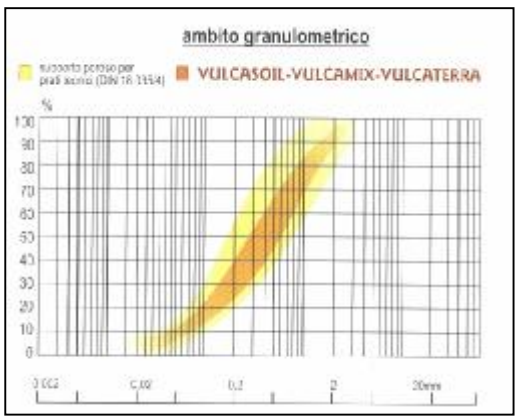
APPLICATION FIELDS:

- Grass carpets
- Grass parking places
- Management and maintenance of green plants

PHISICAL AND CHEMICAL PROPERTIES:

- Specific weight: from 950-1100kg/m^3 (dependent on moisture of quarry)
- Grain size: range in the inside of the environment DIN from 0 to 3 mm with particles between 0 and 0,02 in diameter lower than 7 %)
- Permeability: more than 0,6 mm/min. saturated and pressed; bigger than 6 mm/min. under standard conditions (DIN: >0,4 and >1mm/min.)
- Water retention (available/usable water): from 11% to 16 % in volume
- pH: between 7 and 8
- C.S.C.: approx. 30 meq/100g
- Active limestone free
- Chemical composition: see provided table

MEDIUM CHEMICAL ANALISYS	POMICE	LAPILLUS
SiO_2	62,5%	56%
Al_2O_3	17,5%	16,5%
K_2O	9,5%	4,9%
Fe_2O_3	2,6%	6,5%
CaO	2,5%	8,8%
Na_2O	2,2%	2,2%
TiO_2	0,5%	0,8%
MgO	0,4%	3,1%
pH	7 - 8	7 - 8



FUNCTIONAL PROPERTIES:

It is a large-pored product ideal for lawn, in sport facilities and for the entire structural engineering:

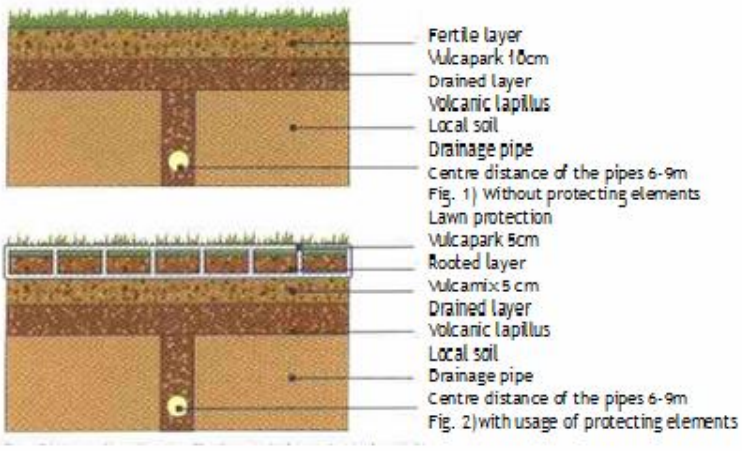
- DIN standards in all variations
- STRI standards
- USGA drainage purposes
- strengthened drainage purposes
- vertical drainage purposes

VULCAMIX is a ready product, easy to use, free from toxic and dangerous essences and weed seeds.
VULCAMIX replaces silica sand with optimal results in processing and laying of grass carpets
VULCAMIX contributes to the formation of lawn which enables intensive use (up to 500 hours/year)

STRUCTURAL DESIGNS OF PARKING LOTS

The schemes on the side show the construction of grassy parking lots.
- At low intensity of traffic (fig. 1)
- At high use (fig. 2)

Structural scheme:
- Formation of strengthened drainage purposes with a drainage pipe filled with gravel of volcanic lapillus (fig. 1 and 2)
- Formation of the drained layer trough filling 15 cm of gravel of lapillus all over the surface (fig. 1 and 2)
- Formation of the fertile layer through filling 10 cm Vulcapark (fig. 1) or 5 cm Vulcamix all over the surface (fig. 2)
- Mounting of elements mad of plastic or cement, which protect the lawn, and adding Vulcapark to the cells (fig. 2)
- Sowing or planting of lawn in clods

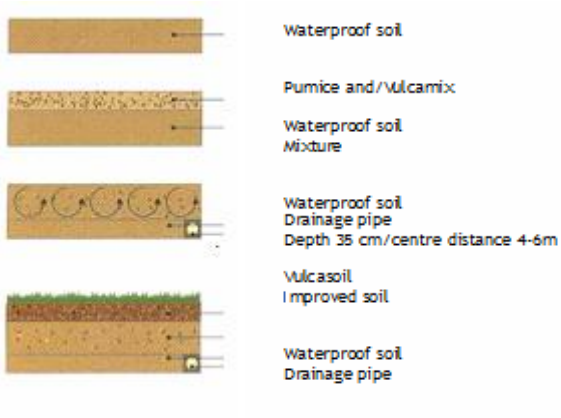


COSTRUCTION PLANS FOR SPORT FIELDS

Scheme 1

Improvement of physical and chemical properties and the drainage purpose of the ground:

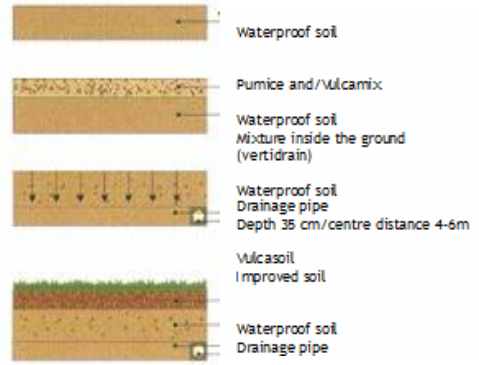
- Filling of 5 cm Pumice Sand or Vulcamix
- Machining with harrows to mix the volcanic sands with the ground
- Top dressing with 5 cm Vulcasoil
- Sowing or mounting of a turf



Scheme 2

Improvement of physical and chemical properties and the drainage purpose of the ground:

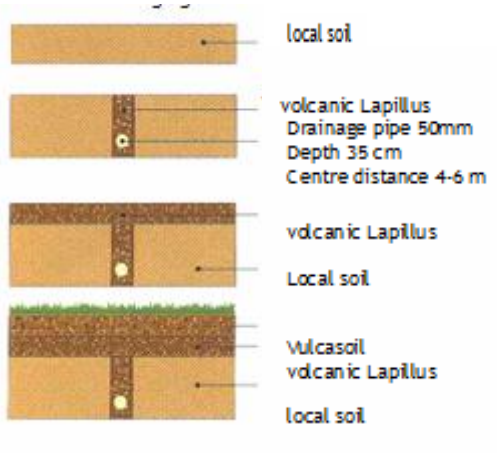
- Filling of 5 cm Pumice Sand or Vulcamix
- Deep coring with a vertidrain machine
- Top dressing with 5 cm Vulcasoil
- Sowing or mounting of a turf



Scheme 3

New construction of sport fields with double drained and rooted layer:

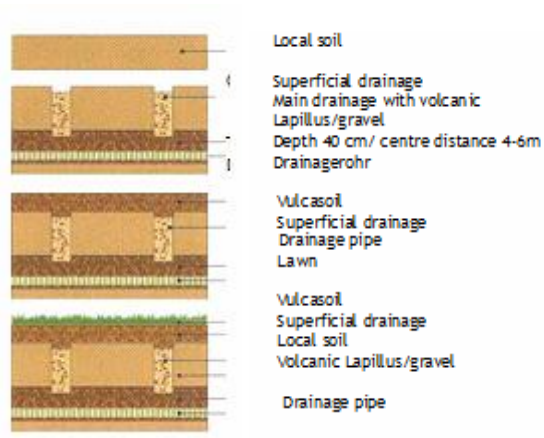
- Formation of the strengthened drainage with the draining pipe filled with gravel of Volcanic Lapillus
- Formation of the drained layer through filling 15 cm of gravel of Volcanic Lapillus all over the surface
- Formation of the fertile layer through filling 15 cm vulcasoil all over the surface
- Sowing or mounting of a turf



Scheme 4

New construction of sport fields with the system of drainage trench:

- Formation of the main cross drainage with the draining pipe filled with gravel of Volcanic Lapillus
- Formation of the superficial longitudinal drainage purpose filled with Volcanic Lapillus or Vulcamix.
- Formation of the fertile layer by filling 10-15 cm vulcasoil all over the surface.
- Sowing or mounting of a turf



AVAILABLE UNPACKED, IN BAGS (BIG-BAGS) 1,5MC SIZE AND IN 33LT BAGS PACKED ON PALLETS (45 bags on each pallet)

This mineral is a natural raw material. All data indicated above are therefore approximate and do not provide any warranty.