

# VULCAPARK

## IDEAL SUBSTRATE FOR GRASS PARKING SURFACES

### COMPOSITION:

Fertile soil consisting of a mixture of volcanic minerals (pumice and lapillus, of which 20% sand of volcanic lapillus and 65% sand of pumice), organic matter (blond peat with average grain size) and/or humidified organic matter (composted vegetable material) and mixed fertilizer with nitrogen in the form of controlled transfer.

### APPLICATION FIELDS:

- Grass parking places
- Management and maintenance of green plants

### PHYSICAL AND CHEMICAL PROPERTIES:

- Specific Weight: from 950-1100kg/m<sup>3</sup> (quarry humidity)
- Grain size: from 0 to 5 mm
- Permeability: more than 0,6 mm/min. saturated and pressed, bigger than 6mm/min. under standard conditions (DIN: >0,4 e >1mm/min.)
- Water retention (available/usable water): from 15% to 20% in volume
- pH: between 7 and 8
- Organic materials: 15%
- Chemical composition: see provided table
- C.S.C.: approx. 30meq/100g
- Active limestone free

MEDIUM CHEMICAL ANALYSIS	POMICE	LAPILLUS
SiO <sub>2</sub>	62,5 %	56 %
Al <sub>2</sub> O <sub>3</sub>	17,5 %	16,5 %
K <sub>2</sub> O	9,5 %	4,9 %
Fe <sub>2</sub> O <sub>3</sub>	2,6 %	6,5 %
CaO	2,5 %	8,8 %
Na <sub>2</sub> O	2,2 %	2,2 %
TiO <sub>2</sub>	0,5 %	0,8 %
MgO	0,4 %	3,1 %
PH	7 - 8	7 - 8

### FUNCTIONAL PROPERTIES:

It is an ideal substrate which allows the construction of lawn transformable into a parking lot in an economic and functional way.

VULCAPARK is a ready product, easy to use, free from toxic and dangerous essences and weed seeds.

VULCAPARK is suitable for accessible lawns furnished with drainage purpose, water retention and fertility.

VULCAPARK is a fertile breeding ground for rooting, covering seeds and mixing with plastic or cement cells.

### STRUCTURAL SCHEMES OF PARKING LOTS WITH VULCAPARK

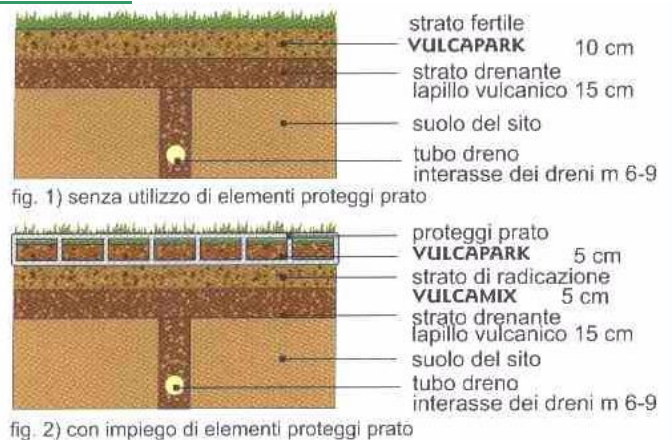
The schemes on the side show the construction of grassy parking lots:

- at low intensity of traffic (fig. 1)

- at high use (fig. 2)

**Structural design:**

- 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 10cm Vulcapark 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



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.*