

## DRIED PUMICE

### COMPOSTION: MAGMATIC CELL MINERAL NATURALLY EXTENDED

PUMICE is the result of natural extension of effusive magmatic mineral, which has generated an alveolar product of remarkable lightness, absolutely ecological, with high porosity, great water retention, slow release of liquids and great isolating properties.

APPLICATION FIELDS	
LIGHT CEMENT AGREGATE FOR PREMIXED MORTAR	SUPPORT FOR CHEMICAL PRODUCTS
FILTRATION AND ABSORBATION OF OILS AND INDUSTRIAL LIQUIDS	LIGHT ABRASIVES
HANDWASHING PASTE	DENTISTRY

### PHYSICAL AND CHEMICAL PROPERTIES:

Heat conduction:  $\lambda = 0,11 \text{ W/(mK)}$  <sup>(1)</sup>

Acoustic insulation

Transpiration

Excellent workability

Fire-resistant

Durability

Apparent density: 550 - 650 Kg/m<sup>3</sup>

Residual moisture: 2 %

### LIQUID ABSORPTION:

Water approx. 100 g/100 g Pumice

Lubricant 110 g/100 g Pumice

Gasoline 80 g/100 g Pumice

Petrol 80 g/100 g Pumice

NON TOXIC PRODUCT (Silica free)

### GRAIN SIZE ANALYSIS:

TYPOLOGY OF DRIED PUMICE <sup>(2)</sup>	
FRACTION	SPECIFIC WEIGHT
0 - 45 $\mu$	0,90 - 1,00 t/m <sup>3</sup>
0 - 230 $\mu$	0,85 - 0,95 t/m <sup>3</sup>
230 - 850 $\mu$	0,65 - 0,75 t/m <sup>3</sup>
850 - 3.000 $\mu$	0,45 - 0,55 t/m <sup>3</sup>
850 - 6.000 $\mu$	4,00 - 5,00 t/m <sup>3</sup>

MEDIUM CHEMICAL ANALYSIS of representative samples of the front quarry	
SiO <sub>2</sub>	62,5 %
Al <sub>2</sub> O <sub>3</sub>	17,5 %
K <sub>2</sub> O	9,5 %
Fe <sub>2</sub> O <sub>3</sub>	2,6 %
CaO	2,5 %
Na <sub>2</sub> O	2,2 %
TiO <sub>2</sub>	0,5 %
MgO	0,4 %
P.F.	2,3 %
pH	7-8

AVAILABLE UNPACKED, IN BAGS (BIG-BAGS) AND IN 33 LT BAGS PACKED ON PALETTES

<sup>(1)</sup> The specific weight is indicative and is referring to average values in batches of industrial production.

<sup>(2)</sup> Possible variations are a result of potential phenomena of segregation between the fine and gross parts.