



DIONYSSOMARBLE

Dionyssos – Pentelicon Commercial & Industrial Co. S.A.

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PENTELICON WHITE MARBLE DUST, FINE GRAVEL AND FILLERS



“Pentelicon marble” is the most famous and **historical white Greek marble**.

It was extracted for the first time in Pentelicon mountain, near Athens, 2500 years ago...



...and it was used in the famous and classical Greek monuments (temples and sculptures) of the 5th century BC.

The whole humanity still admires their beauty and durability...

Pentelicon marble is an almost **pure calcitic marble**: Calcite- CaCO_3 almost 98%, Dolomite - $\text{CaMg}(\text{CO}_3)_2$ <1.5%, Quartz < 1%

Chemical composition:

CaO:54-55%, SiO_2 : 0.5 - 0.75%, MgO: 0.60 – 1.20%, Na_2O : 0.01 - 0.30%, K_2O : 0.01 -0.10%, Fe_2O_3 : 0.05%, Al_2O_3 : 0.05 – 0.1%, MnO: 0.01%, LOI: 43.25- 43.30%

160 years ago, the quarrying of Pentelicon marble started again, and the historical white marble of Classical Athens antiquity has been used again in numerous neo-classical and modern buildings, in Greece and other countries...



Since 1949, Pentelicon marble is being extracted and sold in blocks and slabs **only by DIONYSSOMARBLE company**, in "Dionyssos" region of Pentelicon mountain.



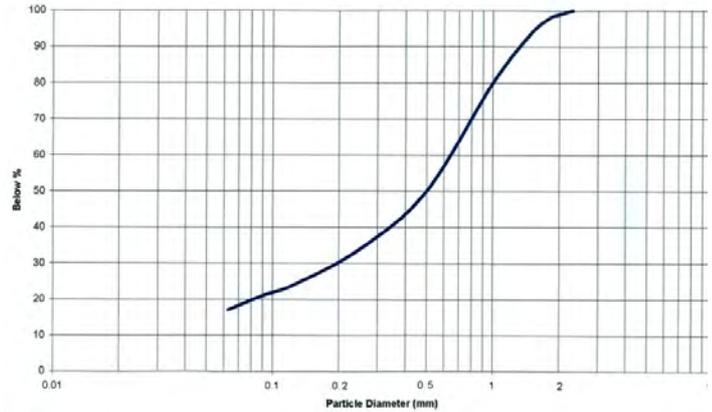
Beyond marble blocks and slabs, by breaking the quarrying residues and by classifying the appropriate gradings, DIONYSSOMARBLE also produces **white marble-dust (0-1.8 mm)**, **white marble fine gravel (1-4 mm)**,

as well as fine natural crystalline calcium carbonate (CaCO_3) fillers (10 μm – 120 μm)

Dionyssos white marble dust (0-1.8 mm):



Bulk density: 1600 kg /m³
 Water absorption: 0.6%,
 Fines quality: SE > 70
 MB <0.5 g/kg
 Water soluble material:<0.03%



Combined with white cement, gives to walls a smooth white surface, highly insulating and easily paintable to any color.



The high quality Dionyssos white marble dust of DIONYSSOMARBLE company, is being used in Greece, and particularly in the capital city of **Athens**, for the traditional **plastering** of houses' walls, in the last 60 years!

Hundreds of thousands of buildings, in the city of Athens, have been plastered with Dionyssos white marble dust. This is an undeniable proof of its **unique quality!**

The Dionyssos marble dust, of DIONYSSOMARBLE Company, is also used in the production of industrial, high quality ready dry mortars (plasters and tile adhesives)

Dionyssos "rice" marble white fine gravel (1-4 mm):



Bulk density: 1450 kg /m³
 Water absorption: 0.8%
 Fines quality: SE > 70,
 MB <0.5 g/kg
 Water soluble material: <0.03%



If the **Dionyssos "rice" marble fine gravel** is used in plastering, instead of the marble powder, the plastered wall surface gets a coarse, three-dimensional decorative effect, with pure white color, and with enhanced durability...



Dionyssos white crystalline calcium carbonate fillers (10µm–120 µm), under the trade name "Novocarb":

Applications of calcium carbonate (CaCO₃) fillers:

Paint and color industries,
 Plastics Industries,
 Electrical cable (insulation) industries,
 Asphalt or bituminous sealing products,

Acrylic putty (stucco) with white cement,
 White cement additive,
 Carpeting (base of carpets),
 Detergents,
 Breaks manufacturing,
 PVC,

Insecticides,
 Pesticides,
 Soil pH regulation,
 Animal food (additive for strong animal bones),
 Tire manufacturing



For more details: www.novocarb.gr



DIONYSSOMARBLE may arrange transportation of marble dust and fine gravel, either in bulk, or in big bags. Fillers can be transported in paper sacks or big bags. Contact: Mr. Nikos Nikolaidis
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