



## DIONYSSOMARBLE

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

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### “NOVOCARB” CALCIUM CARBONATE- $\text{CaCO}_3$ POWDERS (FILLERS)

[www.novocarb.gr](http://www.novocarb.gr)



Our filler is produced as a by-product of the extraction of “Pentelicon marble”, the most historical white Greek marble.

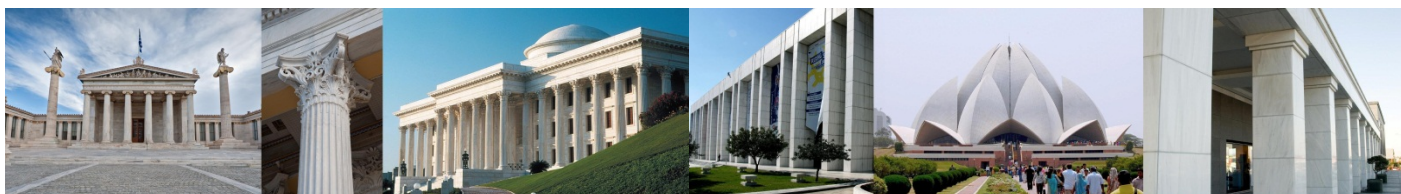
Pentelicon marble was extracted for the first time in Pentelicon mountain, near Athens, 2500 years ago...



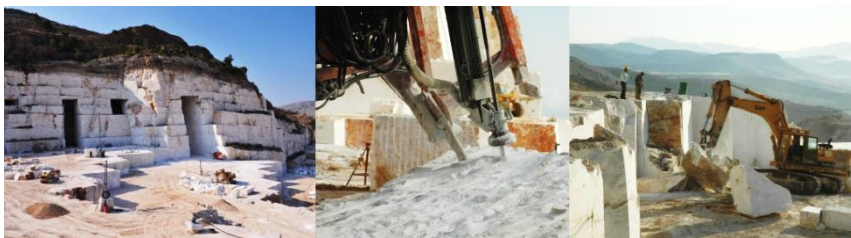
...and it was used in the famous and classical Greek monuments (temples and sculptures) of the 5<sup>th</sup> century BC.

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

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)

and fine natural crystalline calcium carbonate fillers (10 $\mu\text{m}$  – 120  $\mu\text{m}$ ) under the trade name “Novocarb”

### “NOVOCARB” fillers:

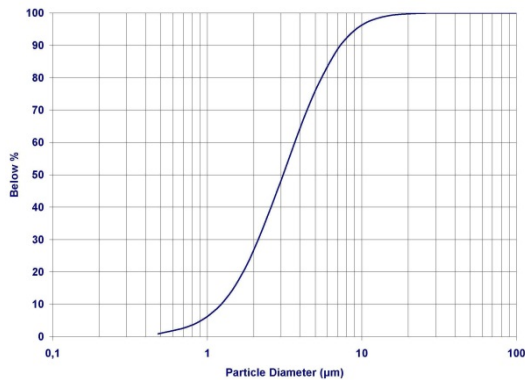
Specific gravity: 2.6    Hardness (Mohs scale): 3

Petrographic analysis: Calcite- $\text{CaCO}_3$  98%, Dolomite- $\text{CaMg}(\text{CO}_3)_2$  <1.5%, Quartz < 1%

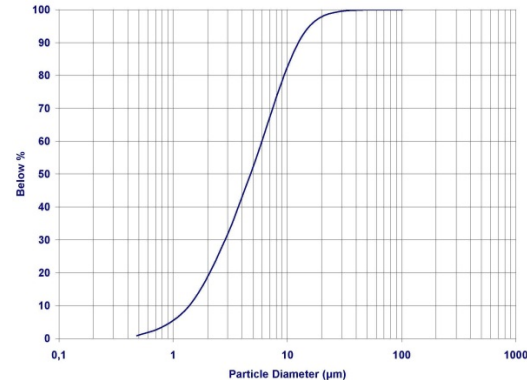
Chemical composition: CaO:54-55%,  $\text{SiO}_2$ : 0.3-0.7%, MgO: 0.6-1.0%,  $\text{Na}_2\text{O}$ : 0.01-0.30%,  $\text{K}_2\text{O}$ : 0.0-0.10%,  $\text{Fe}_2\text{O}_3$ : 0.05%,  $\text{Al}_2\text{O}_3$ : 0.05-0.1%, MnO: 0.01%, LOI: 43.25- 43.30%

**NOVOCARB Nr 10**

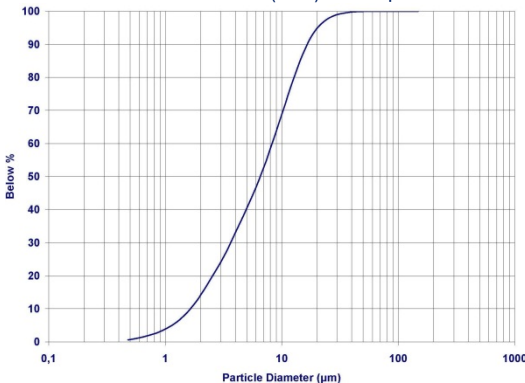
Fineness d(0.97): 8-12 µm

Mean particle size  
d(0.50): 3-5 µmFiner than 2µm:  
25-35%Loose bulk density:  
0.6 g/cm<sup>3</sup>Oil absorption:  
21 g/100 gWhiteness index  
(ASTM 313): 98**NOVOCARB Nr 20**

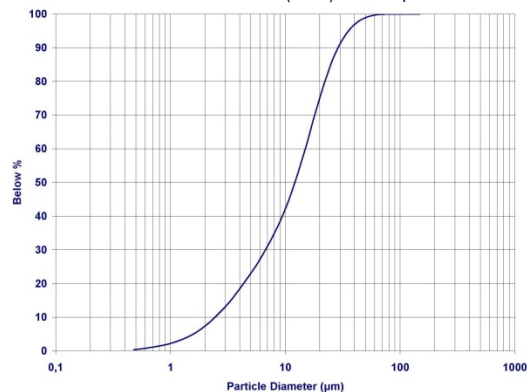
Fineness d(0.97): 16-20 µm

Mean particle size  
d(0.50): 4-6 µmFiner than 2µm:  
14-26%Loose bulk density:  
0.7 g/cm<sup>3</sup>Oil absorption:  
20 g/100 gWhiteness index  
(ASTM 313): 97.5**NOVOCARB Nr 25**

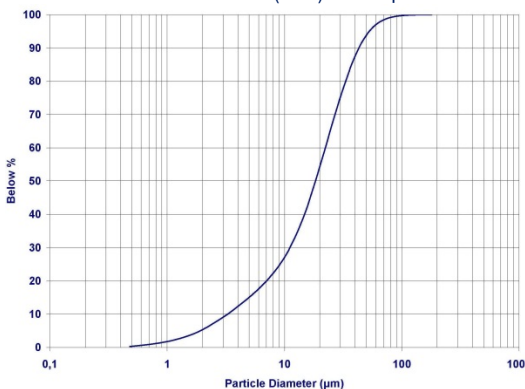
Fineness d(0.97): 23-27 µm

Mean particle size  
d(0.50): 5-8 µmFiner than 2µm:  
12-18%Loose bulk density:  
0.75 g/cm<sup>3</sup>Oil absorption:  
19 g/100 gWhiteness index  
(ASTM 313): 97**NOVOCARB Nr 40**

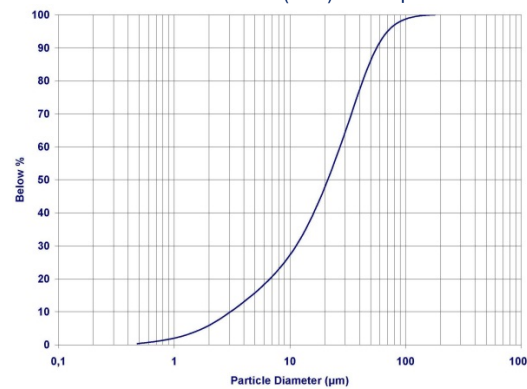
Fineness d(0.97): 38-42 µm

Mean particle size  
d(0.50): 11-14 µmFiner than 2µm:  
7-10%Loose bulk density:  
0.85 g/cm<sup>3</sup>Oil absorption:  
19 g/100 gWhiteness index  
(ASTM 313): 97**NOVOCARB Nr 60**

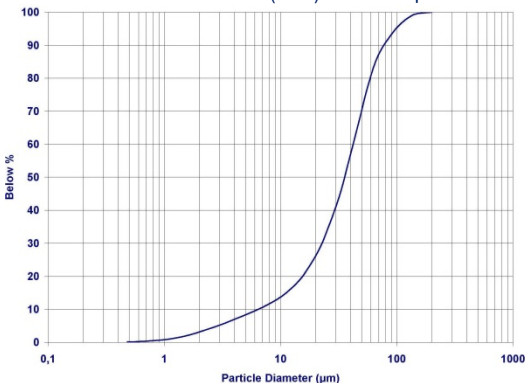
Fineness d(0.97): 58-62 µm

Mean particle size  
d(0.50): 12-18 µmFiner than 2µm:  
5-8 %Loose bulk density:  
0.95 g/cm<sup>3</sup>Oil absorption:  
18 g/100 gWhiteness index  
(ASTM 313): 96.5**NOVOCARB Nr 80**

Fineness d(0.97): 78-82 µm

Mean particle size  
d(0.50): 21-24 µmFiner than 2µm:  
5-7%Loose bulk density:  
1.01 g/cm<sup>3</sup>Oil absorption:  
18 g/100 gWhiteness index  
(ASTM 313): 96**NOVOCARB Nr 120**

Fineness d(0.97): 115-125 µm

Mean particle size  
d(0.50): 30-35 µmFiner than 2µm:  
4-6%Loose bulk density:  
1.05 g/cm<sup>3</sup>Oil absorption:  
18 g/100 gWhiteness index  
(ASTM 313): 96

“Novocarb” Nr 10, 20 & 25 is also produced in coated form. The surface treatment with natural stearic acid produces a material completed hydrophobic.

**Applications of “Novocarb” fillers:**

Paint and color industries - Plastics Industries - Electrical cable (insulation) industries - Asphalt or bituminous sealing products - PVC - Acrylic putty (stucco) with white cement - White cement additive - Carpeting (base of carpets) - Detergents - Insecticides - Pesticides - Soil pH regulation - Animal food (additive for strong animal bones) - Tire manufacturing - Car breaks manufacturing

We are offering “Novocarb” fillers, either in 25 kg paper sacks, on 1 ton wooden pallets, or in 1 ton big bags.

**DIONYSSOMARBLE - “Novocarb” Filler****(www.novocarb.gr)**

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