

# NATIONAL CENTRE OF VIABLE AND SUSTAINABLE DEVELOPMENT OF GREECE (N.C.V.S.D.)



## INSTITUTE OF GEOLOGY AND MINERALE EXPLORATION

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BRANCH of THESSALONIKI

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It hereby certified by the Greek Institute of Geology and Mineral Exploration that the Nestos white Marble, of Christoforides Co, has the follow Mineralogical, Chemical, Physical and Mechanical properties:

### **MINERALOGICAL COMPOSITION**

Calcite =97%

Dolomite=1%

Quartz =2%

### **CHEMICAL COMPOSITION**

CaO =54.32% , MgO =0.21% , SiO<sub>2</sub> =1.92% , Fe<sub>2</sub>O<sub>3</sub> =0.05% , K<sub>2</sub>O =0.04 % , Na<sub>2</sub>O =0.07% , CO<sub>2</sub> =43.39%

### **PHYSICAL AND MECHANICAL PROPERTIES**

Apparent Specific Weight =2680 Kg/m<sup>3</sup> (ASTM C-97)

Absorption Coefficient=0.09 %wt (ASTM C-97)

Compressive Strength =77 MPa (ASTM C-170)

Modulus of Rapture=6.16 MPa (ASTM C-99)

Abrasion Resistance =3.84 mm (DN 52108-20 cycles)



Athanasios Iliadis, Dr Geologist

  
Director