



Year: 2008

Reference standards: **EN 1469, EN 12057, EN 12058**

Products: **Slabs and/or modular tiles of natural stone for cladding and/or for floors & stairs.**

Denomination: **Dionyssos White**  
(in accordance with EN 12440)

Commercial name: **Dionyssos marble**  
(origin: Dionyssos, Attica/Greece)

End use: **Internal & external wall and ceiling finishes. Internal & external floor finishing.**

Producer /Supplier : **DIONYSSOMARBLE S.A.**  
**Head Office: 364 Kifissias Av. & 1 Delfon str., 15233 Chalandri, Athens/Greece**

Characteristics	Declared values	Test method
Reaction to fire	Class A1	Without testing (see decision 96/603/EC, as amended)
Flexural strength	Lower expected value: <b>14.6 MPa</b> Mean value: <b>18.9 MPa</b> Standard deviation : <b>2.1 MPa</b>	EN 12372
Resistance to fixings	Lower expected value: <b>1551 N</b> Mean value: <b>1950 N</b> Standard deviation: <b>199 N</b>	EN 13364
Compressive strength	Mean value: <b>91 MPa</b>	EN 1926
Water absorption at atmospheric pressure	<b>0.1 %</b> per mass	EN 13755
Water absorption coefficient by capillarity	<b>0.173 g / (m<sup>2</sup> x sec<sup>0.5</sup>)</b>	EN 1925
Apparent density	<b>2720 kg / m<sup>3</sup></b> (mean value)	EN 1936
Open porosity	<b>0.3 %</b> per volume	EN 1936
Slip resistance	Non-polished: <b>SRV<sub>dry</sub>: 72</b> <b>SRV<sub>wet</sub>: 69</b> Polished: <b>SRV<sub>dry</sub>: 60</b> <b>SRV<sub>wet</sub>: 15</b>	EN 14231
Abrasion resistance	<b>21378 mm<sup>3</sup></b> (loss in volume)	EN 14157 (method B)
Frost resistance	Flexural strength after 12 cycles: <b>16.7 MPa</b> ( <b>11.64%</b> decrease of strength)	EN 12371 & EN 12372
Frost resistance	Flexural strength after 48 cycles: <b>16.1 MPa</b> ( <b>14.82%</b> decrease of strength)	EN 12371 & EN 12372
Thermal shock resistance	After 20 cycles, Mean change in mass: <b>-0.02%</b> Mean change of dynamic elastic modulus: <b>-15.0%</b>	EN 14066 & EN 14146

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12, 2008

Styliani Argyroudi  
Vice Chairman of the Board

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