

Commercial name:

DIONYSSOS-PENTELICON GREY-BLUE MARBLE (heavy duty)

Indicative material's picture:



Country of origin: Greece

Mineralogical composition:

Calcite almost 99%, dolomite 1%

Physico-mechanical properties - Indicative lab test results (*):

Apparent density	2710 - 2730 kg/m ³	(EN 1936)
Open porosity	0.3 % κ.ό.	(EN 1936)
Flexural strength	15 - 20 MPa	(EN 12372)
Compressive strength	105 - 115 MPa	(EN 1926)
Water absorption	0.1 % κ.β.	(EN 13755)
Water absorption coefficient by capillarity	0.19 g / (m ² x sec ^{0.5})	(EN 1925)
Abrasion resistance	19000 - 21000 mm ³ (απώλεια όγκου)	(EN 14157-method B)
Resistance to fixings	1600 - 2600 N	(EN 13364)
Slip resistance	Non-polished SRV _{DRY} : 71 SRV _{WET} : 67	Polished: SRV _{EPH} : 60 SRV _{WET} : 19 (EN 14231)
Frost resistance	Flexural strength after 48 cycles : About 14% increase of strength	(EN 12371 & EN 12372)
Thermal shock resistance	After 20 cycles, Mean change in mass: -0.02 % (no change)	(EN 14066)

(*) This information is based on our present knowledge out of laboratory tests and other information sources.. However, this shall not constitute a guarantee for any specific batch of stone, and shall not establish a legally valid contractual relationship.

Halandri, 3/9/2014