

Stone commercial name:

NAXOS CRYSTALLINA WHITE (name according to EN 12440:2000)

Country of origin: Greece

Description: calcitic marble

Mineral and chemical composition (% weight):

MINERALOGICAL COMPOSITION		CHEMICAL ANALYSIS	
Calcite	98.0	CaO	55.60
Quartz	2.0	MgO	0.50
		SiO ₂	0.07
		Fe ₂ O ₃	0.14
		Al ₂ O ₃	0.02
		K ₂ O	0.02
		Na ₂ O	0.04
		MnO	0.02
		LOI	43.00

Some typical lab test results:

Apparent Density, (EN 1936)	2710 Kg/m ³
Open Porosity, (EN 1936)	0.3 % vol
Water absorption, (EN 13755)	0.1 % wt
Compressive strength, (EN 1926)	66.8 Mpa
Flexural strength, (EN 12372)	9.5 Mpa
Compressive strength after frost resistance to cycles, (EN 12371 & 1926)	66.0 Mpa
Abrasion resistance, (DIN 52108)	3.38 mm
Rupture Energy, (EN 14158)	4 Joule

The above information, provided by LITHOS LABORATORY of the Institute of Geology and Mineral Exploration (IGME), were presented in edition "HELLENIC MARBLE DIRECTORY" of the Hellenic Foreign Trade Board (HEPO) - fourth edition 2006