

Summary of laboratory test results

Client	HELLENIC MARBLE GROUP 6th Km of Kavala-Drama National Road, 66100 Drama, Greece Tel.: +30 25210 43119	Report No	2020/140_D
		Date	6/8/2020
		Issue	0
Project	Natural stone testing program: Danae	Project No	130520-E1

Characteristics		Standard Test Method	Result
Apparent density	ρ_b	EN 1936:2006	kg/m^3 2837,2
Open porosity	ρ_o		% 0,7
Real density	ρ_r		kg/m^3 2860,3
Total porosity	ρ		% 0,8
Water absorption coefficient by capillarity	C	EN 1925:2001	$g/m^2 \sqrt{s}$ 0,90
Water absorption at atmospheric pressure	Ab	EN 13755:2008	% 0,21
Compressive strength	R	EN 1926:2007	N/mm^2 184,02
Flexural strength under constant moment	R_{tc}	EN 13161:2008	N/mm^2 23,12
Flexural strength under concentrated load	R_{tf}	EN 12372:2007	N/mm^2 4,77
Frost resistance			
Flexural strength change	ΔR_{tf}	EN 12371:2010 & EN 12372:2007	% 0,7
Result			Minor influence
Abrasion resistance		EN 14157:2004 Method B	mm^3 1646,4
Polyaromatic Hydrocarbons		Extraction/Conc./HPLC-FI det.	Not Detected
Heavy Metals		AAS	Safe for use
Radionuclides		TR No 295 IAEA 1989	Safe for use
Determination of ASBESTOS content		HSG 248, HSE, UK by PLM	Not Detected

Approved By



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