

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_A
		Date	6/8/2020
Project	Natural stone testing program: Hermes	Issue	0
		Project No	130520-E1

Characteristics		Standard Test Method	Result
Apparent density	ρ_b	EN 1936:2006	kg/m^3 2820,4
Open porosity	ρ_o		% 1,1
Real density	ρ_r		kg/m^3 2864,8
Total porosity	ρ		% 1,6
Water absorption coefficient by capillarity	C	EN 1925:2001	$g/m^2 \sqrt{s}$ 0,94
Water absorption at atmospheric pressure	Ab	EN 13755:2008	% 0,36
Compressive strength	R	EN 1926:2007	N/mm^2 201,29
Flexural strength under constant moment	R_{tc}	EN 13161:2008	N/mm^2 9,69
Flexural strength under concentrated load	R_{tf}	EN 12372:2007	N/mm^2 6,24
Frost resistance			
Flexural strength change	ΔR_{tf}	EN 12371:2010 & EN 12372:2007	% 2,21
Result			Minor influence
Abrasion resistance		EN 14157:2004 Method B	mm^3 985,8

Approved By



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