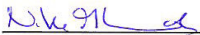


Mechanical and physical properties

Development of natural stone educational and research environment in East Finland
2007

Standard	Test	Producer
		Stone
		Kapeen Kivipoyat Oy Kuru Grey
EN 13755	Water absorption (%) mean value Standard deviation (%)	0,14 0,00
EN 1936	Apparent Density (kg/m ³) mean value density from ... To ... (kg/m ³) Odchylene standardowe [%] od ... do ... [kg/m ³] Standard deviation (kg/m ³)	2630 2630-26300 0
EN 1936	Open porosity (%) mean value standard deviation (%)	0,44 0,01
EN 12372	Flexural strength (MPa) mean value Standard deviation (MPa) Min exp value (MPa)	15,4 0,5 14,4
EN 12371	Flexural strength after frost (MPa) mean value Change in mean flexural strength after 48 cycles (%) Standard deviation (MPa) Min exp value (MPa)	15,3 0,6 0,3 14,8
EN 1926	Compression strength (MPa) mean value Standard deviation (MPa) Min exp value (MPa)	216 20,5 170
EN 12371	Compression strength after frost (MPa) mean value Standard deviation (MPa) Min exp value (MPa)	227 31,6 164
EN 1925	Water absorption by Capillarity C (g/m ² s 0,5) mean value Standard deviation (g/m ² s 0,5)	0,666 0,081
EN 14231 and CE standards of reference	Skid resistance - dry polished mean value Skid resistance - wet polished mean value Skid resistance - dry honed mean value Skid resistance - wet honed mean value	46,1 11,2 52,1 39,1
EN 14157 and CE standards of reference	Abrasion resistance (mm) mean value	17
EN 13364	Resistance at the anchoring system Mean breaking Load (N) Min exp value (N) Standard deviation (N) d1 [mm] bA [mm]	2900 2363 300 10,3 43,3
EN 14066	Resistance to Thermal shock visual changes max Mass change (%) max res. Freq. change (%)	NDP - - -
EN 1925	Water absorption by Capillarity C (g/m ² s0,5) parallel mean value Standard deviation	no directions
EN 12524	water vapour resistance factor μ dry water vapour resistance factor μ wet	10000 10000


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