

GOTLAND GREY LIMESTONE PHYSICAL TESTING REPORT

1. Material: Gotland Grey Limestone
2. Source: Kaarma Quarry, Estonia
3. Producer: Ekland Stone OÜ
4. Surface Finish: Sawn

PHYSICAL CHARACTERISTICS

	PROPERTIES	TEST METHOD IN ACCORDANCE WITH	GOTLAND GREY
1	Flexural Strength	EN 12372	8.3
2	Breaking load at dowel hole, N	EN 13364	1450
3	Water absorption at atmospheric pressure, %	EN 13755	8.9
4	Water absorption by capillarity, g/m ² so,5	EN 1925	89.537
5	Apparent density kg/m ³	EN 1936	2220
6	Open porosity, %	EN 1936	21.9
7	Frost resistance, cycles	EN 12371	48
8	Thermal shock resistance (change of mass) %	EN 14066	0.06
9	Water vapour permeability, (dry/wet)	EN 12524 or ENISO 12572	170/135
10	Abrasion resistance, mm	EN 14157	19.5
11	Slip resistance dry/wet	EN 14231	68.1/57.9
12	Pressure strength/resistance	EN 1926:1999	48

Stone Pole Laboratorio Oy - Certificate Number 1C 14/06

VTT Technical Research Centre of Finland

