

LUNDHS Ocean[®]

LUNDHS Ocean[®] has a green-grey background with small bluish feldspar crystals. The stone has a homogenous appearance and is an excellent material for larger projects.

Technical Properties	Test Surface	Standard	Unit	Mean
Apparent density	Sawn	NS-EN 1936	kg/m ³	2732 ±
Open porosity	Sawn	NS-EN 1936	%	0,40 ±
Water absorption	Sawn	NS-EN 13755	% weight	0,14 ±
Slip resistance	Polished	NS-EN 14231	SRV, dry	92 ±
	Polished	NS-EN 14231	SRV, wet	8 ±
	Honed	NS-EN 14231	SRV, dry	51 ±
	Honed	NS-EN 14231	SRV, wet	13 ±
	Silk/Leather	NS-EN 14231	SRV, dry	91 ±
	Silk/Leather	NS-EN 14231	SRV, wet	13 ±
Abrasion resistance – Capon, wide wheel	Sawn	NS-EN 14157 (A)	mm	18,0 ±
Sound Velocity	Sawn	NS-EN 14579	m/s	5530 ±
Breaking load at dowel holes	Sawn	NS-EN 13364	N	3407 ±
Rupture energy	Sawn	NS-EN 14158	J	4,9 ±
Compressive strength	Sawn	NS-EN 1926	MPa	175,8 ±
Flexural strength	Sawn	NS-EN 12372	MPa	11,4 ±
Flexural strength after 56 freeze-/thaw cycles	Sawn	NS-EN 12371	MPa	10,8 ±
Flexural strength after 20 thermal shock cycles	Sawn	NS-EN 14066	MPa	9,9 ±
Frost resistance		NS-EN 12371		
Weight change	Sawn	NS-EN 12371	%	-0,05 ±
Reduction in flexural strength	Sawn	NS-EN 12371	%	-5,3
Visual inspection	Sawn	NS-EN 12371	Score 0-5	0 (max value)
Resistance to ageing by thermal shock		NS-EN 14066		
Weight change	Sawn	NS-EN 14066	%	-0,02 ±
Reduction in flexural strength	Sawn	NS-EN 14066	%	-13,2
Visual inspection	Sawn	NS-EN 12371	Score 0-5	1 (max value)
Petrographic composition¹⁾		NS-EN 12407		
Feldspar: 77.5%, Pyroxene: 5.5%, Amphibole: 2%, Opagues (magnetite, ilmenite): 3.5%, Biotite: 3.5%, Olivine: 3%, Apatite: 2%				

¹⁾ Test results are based on 3x2 cm objects and the examination provides information of the texture of the rock. However, variations in mineral composition and structure must be expected. Test results are an average of tests performed in 2006 and 2019. Only main minerals are listed.

Tested at SINTEF 2019. The tests have been performed according to technical requirements given in e.g. NS-EN 1467 (rough blocks), NS-EN 1469 (slabs for cladding), NS-EN 12057 (modular tiles) and NS-EN 12058 (slabs for floors and stairs).