

# Technical Data Sheet – European Standard

## Lundhs Ocean

*Lundhs Ocean has a grey-green background with small blueish feldspar crystals. This material is also known as Emerald Blue Pearl.*

Technical Properties	Standard	Mean Values
stone name:	ns-en 12407	monzonite (larvikite)
structure:		coarse grained
texture:		oriented feldspar crystals with
compressive strength:	ns-en 1926	lustre 183 mpa
flexural strength:	ns-en 12371	12.6 mpa
flexural strength: (after 48 frost cycles)	ns-en 12371	11.6 mpa
frost resistance (after 48 freeze-/thaw cycles)	ns-en 12371	-11%
rupture energy, thickness 30 mm:	ns-en 14158	4.4 j
abrasion resistance, wide wheel:	ns-en 14157 (a) <sup>1</sup>	16.5 mm
water absorption:	ns-en 13755	0.1% weight
apparent density:	ns-en 1936	2730 kg/m <sup>3</sup>
open porosity:	ns-en 1936	0.3%
breaking load at dowel holes:	ns-en 13364	3780 n
slip resistance: (honed surface)	ns-en 14231	68 srv (dry) 17 srv (wet)
resistance to ageing by thermal shock:	ns-en 14066	no visual changes. no weight loss
petrographic composition:	ns-en 12407 <sup>2</sup>	feldspar 72% pyroxene 8% amphibole 6% biotite 3% olivine 2% apatite 3% nepheline 3% opaques 3%

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). test results from sintef building and infrastructure (2006), ([www.sintef.no](http://www.sintef.no))

<sup>1</sup> Based on thickness measurements.  
<sup>2</sup> Based on weight measurements.  
<sup>3</sup> Reference method for natural stone.