

# Technical Data Sheet EN 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 lustre  |
| compressive strength:                              | ns-en 1926                   | 183 mpa   |
| flexural strength:                                 | ns-en 12371                  | 12.6 mpa  |
| flexural strength:<br>(after 48 frost cycles)      | ns-en 12371                  | 11.6 mpa  |
| frost resistance<br>(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   |
| breaking load at dowel holes:                      | ns-en 13364                  | 3780 n  |
| slip resistance:<br>(honed surface)                | ns-en 14231                  | 68 srv (dry)<br>17 srv (wet)  |
| resistance to ageing<br>by thermal shock:          | ns-en 14066                  | no visual changes. no weight loss   |
| petrographic composition:                          | ns-en 12407 <sup>2</sup>     | feldspar 72%<br>pyroxene 8%<br>amphibole 6%<br>biotite 3%<br>olivine 2%<br>apatite 3%<br>nepheline 3%<br>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.