

# Technical Data Sheet – European Standard

## Lundhs Blue

*Lundhs Blue is known as the original Blue Pearl material, characterised by its medium-sized deep blue feldspar crystals. Lundhs has several quarries in the Blue Pearl area, and GT is one of the most famous.*

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	231 mpa
flexural strength:	ns-en 12372	14.8 mpa
flexural strength: (after 48 frost cycles)	ns-en 12371	14.1 mpa
abrasion resistance, böhme:	din 52 1081	6.7 cm <sup>3</sup> / 50 cm <sup>2</sup>
abrasion resistance, böhme:	ns-en 14157 (b) <sup>2</sup>	7102 mm <sup>3</sup>
abrasion resistance, wide wheel:	ns-en 14157 (a) <sup>3</sup>	16.0 mm
water absorption:	ns-en 13755	0.04% weight
apparent density:	ns-en 1936	2730 kg/m <sup>3</sup>
open porosity:	ns-en 1936	0.1%
breaking load at dowel holes:	ns-en 13364	3700 n
slip resistance: (honed surface)	ns-en 14231	49 srv (dry) 6 srv (wet)
rupture energy, thickness 30 mm:	ns-en 14158	2.7 j
resistance to ageing by thermal shock:	ns-en 14066	no visual changes. no weight loss
petrographic composition:	ns-en 12407	feldspar 80% pyroxene 5% olivine 4% amphibole 4% nepheline 3% magnetite 2% apatite 1% biotite 1%

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))

1 Based on thickness measurements.  
2 Based on weight measurements.  
3 Reference method for natural stone.