

Technical Data Sheet – European Standard

Lundhs Emerald

Lundhs Emerald is the original Emerald Pearl. Lundhs Emerald has a distinct appearance, with lustrous blue crystals and dark background.

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	185 mpa
flexural strength:	ns-en 12372	11,5 mpa
flexural strength: (after 48 frost cycles)	ns-en 12371	11,5 mpa
abrasion resistance, böhme:	din 52 1081	7.4 cm ³ / 50 cm ²
abrasion resistance, böhme:	ns-en 14157 (b) ²	7420 mm ³
abrasion resistance, wide wheel:	ns-en 14157 (a) ³	16.0 mm
water absorption:	ns-en 13755	0.14% weight
apparent density:	ns-en 1936	2700 kg/m ³
open porosity:	ns-en 1936	0.4%
breaking load at dowel holes:	ns-en 13364	3600 n
slip resistance: (honed surface)	ns-en 14231	56 srv (dry) 8 srv (wet)
rupture energy, thickness 30 mm:	ns-en 14158	3.5 j
resistance to ageing by thermal shock:	ns-en 14066	no visual changes. no weight loss
petrographic composition:	ns-en 12407	feldspar 88% pyroxene 4% olivine 3% amphibole 2% 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)

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