

Technical Data Sheet – European Standard

Lundhs Royal

Lundhs Royal has large crystals and bright blue colour. The material is exclusively produced by Lundhs.

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	226 mpa
flexural strength:	ns-en 12372	11.5 mpa
flexural strength: (after 48 frost cycles)	ns-en 12371	10.0 mpa
abrasion resistance, böhme:	din 52 1081	6.9 cm ³ / 50 cm ²
abrasion resistance, böhme:	ns-en 14157 (b) ²	6811 mm ³
abrasion resistance, wide wheel:	ns-en 14157 (a) ³	16.0 mm
water absorption:	ns-en 13755	0.08% weight
apparent density:	ns-en 1936	2730 kg/m ³
open porosity:	ns-en 1936	0.2%
breaking load at dowel holes:	ns-en 13364	3200 n
slip resistance: (honed surface)	ns-en 14231	54 srv (dry) 8 srv (wet)
rupture energy, thickness 30 mm:	ns-en 14158	4.3 j
resistance to ageing by thermal shock:	ns-en 14066	no visual changes. no weight loss
petrographic composition:	ns-en 12407	feldspar 85% pyroxene 4% olivine 1% amphibole 3% nepheline 3% magnetite 3% 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.