LUNDHS

Technical Data Sheet – European Standard

Stone type: Larvikite (Monzonite). **Origin:** Crafted by nature 300 million years ago in Larvik, Norway.

LUNDHS Grey™

LUNDHS Grey™ has a grey/green background with steel grey crystals. The material is previously known as LUNDHS Emerald Grey™. It is an excellent choice for both interior and exterior use.

Technical Properties	Test Surface	Standard	Unit	Mean	
Apparent density	Sawn	NS-EN 1936	kg/m³	2699	±
Open porosity	Sawn	NS-EN 1936	%	0,45	±
Water absorption	Sawn	NS-EN 13755	% weight	0,16	±
Slip resistance	Polished	NS-EN 14231	SRV, dry	59	±
	Polished	NS-EN 14231	SRV, wet	8	±
	Honed	NS-EN 14231	SRV, dry	53	±
	Honed	NS-EN 14231	SRV, wet	11	±
	Silk/Leather	NS-EN 14231	SRV, dry	56	±
	Silk/Leather	NS-EN 14231	SRV, wet	13	±
Abrasion resistance – Capon, wide wheel	Sawn	NS-EN 14157 (A)	mm	17,5	±
Sound Velocity	Sawn	NS-EN 14579	m/s	5723	±
Breaking load at dowel holes	Sawn	NS-EN 13364	N	4478	±
Rupture energy	Sawn	NS-EN 14158	J	5,8	±
Compressive strength	Sawn	NS-EN 1926	MPa	174,8	±
Flexural strength	Sawn	NS-EN 12372	MPa	12,5	±
Flexural strength after 56 freeze-/thaw cycles	Sawn	NS-EN 12371	MPa	13,3	±
Flexural strength after 20 thermal shock cycles	Sawn	NS-EN 14066	MPa	12,2	±
Frost resistance		**NS-EN 12371**			
Weight change	Sawn	NS-EN 12371	%	-0,06	±
Reduction in flexural strength	Sawn	NS-EN 12371	%	6,4	
Visual inspection	Sawn	NS-EN 12371	Score 0-5	0	(max value)
Resistance to ageing by thermal shock		**NS-EN 14066**			
Weight change	Sawn	NS-EN 14066	%	-0,02	±
Reduction in flexural strength	Sawn	NS-EN 14066	%	-2,4	
Visual inspection	Sawn	NS-EN 12371	Score 0-5	0	(max value)
Heat resistance		**NS-EN 12721-22**			
300 C, wet heat	Polished 32mm	NS-EN 12721	Score 0-5	5	(max value)
300 C, dry heat	Polished 32 mm	NS-EN 12722	Score 0-5	5	(max value)
Petrographic composition[1)]		**NS-EN 12407**			
Feltspar: 83.5%, Pyroxene: 3.5%, Amphibole: 4.5%, Opagues (magnetite, ilmenite): 3%, Biotite: 1.5%, Olivine: 2.5%, Apatite: 1%					

[1)] Test results are based on 3x2 cm objects and the examination provides information of the texture of the rock. However, variations in mineral composition and structure must be expected. Test results are an average of tests performed in 2006 and 2019. Only main minerals are listed.

Tested at SINTEF 2019. 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), NS-EN 12058 (slabs for floors and stairs) and NS-EN 12721/NS-EN 12722 (furniture test methods).

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