LUNDHS

Technical Data Sheet – European Standard

Stone type: Anorthosite. **Origin:** Crafted 1000 million years ago in Sirevåg, Norway.

LUNDHS Antique®

LUNDHS Antique® is characterized by a variation of clear blue and purple crystals on a brown background. Each piece of stone is unique due to the variations of fine lines, sizes and amount of crystals.

Technical Properties	**Test Surface**	**Standard**	**Unit**	**Mean**	
Apparent density	Sawn	NS-EN 1936	kg/m³	2698	±
Open porosity	Sawn	NS-EN 1936	%	0,27	±
Water absorption	Sawn	NS-EN 13755	% weight	0,09	±
Slip resistance	Polished	NS-EN 14231	SRV, dry	67	±
	Polished	NS-EN 14231	SRV, wet	8	±
	Honed	NS-EN 14231	SRV, dry	50	±
	Honed	NS-EN 14231	SRV, wet	11	±
	Silk/Leather	NS-EN 14231	SRV, dry	51	±
	Silk/Leather	NS-EN 14231	SRV, wet	13	±
	Honed	DIN-EN 16165	∝ shod	R9	
	Silk/Leather	DIN-EN 16165	∝ shod	R10	
	Caress	DIN-EN 16165	∝ shod	R9	
	Sandblasted, waterjet, flamed	DIN-EN 16165	∝ shod	R13	
Abrasion resistance – Capon, wide wheel	Sawn	NS-EN 14157 (A)	mm	17,5	±
Sound Velocity	Sawn	NS-EN 14579	m/s	5269	±
Breaking load at dowel holes	Sawn	NS-EN 13364	N	3727	±
Rupture energy	Sawn	NS-EN 14158	J	5,2	±
Compressive strength	Sawn	NS-EN 1926	MPa	155,5	±
Flexural strength	Sawn	NS-EN 12372	MPa	10,7	±
Flexural strength after 56 freeze-/thaw cycles	Sawn	NS-EN 12371	MPa	11,1	±
Flexural strength after 20 thermal shock cycles	Sawn	NS-EN 14066	MPa	10,0	±
Frost resistance		**NS-EN 12371**			
Weight change	Sawn	NS-EN 12371	%	-0,02	±
Reduction in flexural strength	Sawn	NS-EN 12371	%	3,7	
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	%	0,00	±
Reduction in flexural strength	Sawn	NS-EN 14066	%	-6,5	
Visual inspection	Sawn	NS-EN 12371	Score 0-5	1	(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**			
Plagioclase feltspar: 92%, Pyroxene: 5%, Opagues (magnetite, ilmenite): 1.5%, Chlorite: 1.5%					

[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).

DIN-EN 16165 (Determination of slip resistance of pedestrian surfaces – Methods of evaluation) is performed by LGA Bautechnik GmnH in 2022.

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