

Product datasheet

Offerdal quartzite

mineraskifer.no



Offerdal Natural Stone

PRODUCT SPECIFICATIONS

LAND OF ORIGIN

Offerdal quartzite is a feldspar metasandstone quartzite. Geography: Finnsäter, north of Krokomb in Offerdal in Sweden.

All processing of all products is carried out by local stonemasons right next to the slate quarry.

TECHNICAL DATA

Feature	Standard	Value	Test institution / year
Petrography	NS EN 12670	Quartzite schist	
Density	NS-EN 1936	2,73 g/cm ³	RISE 2018
Water absorption	NS-EN 13755	0,1 weight % (Frost resistant)	RISE 2018
Flexural strength	NS-EN 12372	46,5 MPa (Middelverdi)	RISE 2018
Abrasion resistance	NS-EN 14157 (A)	18.0 mm (Middelverdi)	SINTEF 2007
Slip resistance, brushed	NS-EN 14231	SRV tørr: 73, våt: 58	SINTEF 2012
Slip resistance, honed C 220	NS-EN 14231	SRV tørr: 58, våt: 19	SINTEF 2012
Slip resistance, natural	DIN 51130	R11	TÜV 2015
Slip resistance, honed	DIN 51130	R9	TÜV 2014
Resistance to aging by thermal shock	NS EN 14066	45,1 MPa (change in relation to ref : 0,7%)	Flexural strength after thermal shock

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

Key environmental indicators	Unit	Cradle to gate A1–A3		Transportation A4–400km
		Variable thickness	Even thickness	
Global warming	kg CO ₂ -equiv.	49,3	93,3	43,9
Energy use	MJ	2 089	4 604	768,5
Share of renewable energy used*	%	74 %	77 %	1,8 %

* Share of renewable energy concerns energy used for direct production A1-A3 (direct energy consumed by Minera Skifer) and does not include upstream energy for production and distribution of raw materials/energy.

MINERALOGY

Mineral	Standard	Value	Test institution / year
Quartz	NS EN 12407	39,0 %	CBI 2015
Mica	NS EN 12407	42,0 %	CBI 2015
Feldspar	NS EN 12407	8,0 %	CBI 2015
Epidote	NS EN 12407	2,5 %	CBI 2015
Calcite	NS EN 12407	0,1 %	CBI 2015
Plagioclase	NS EN 12407	2,2 %	CBI 2015
Zircon	NS EN 12407	0,2 %	CBI 2015
Ilmenite	NS EN 12407	1,2 %	CBI 2015

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