

Product datasheet

Light Oppdal quartzite

mineraskifer.no



Oppdal Natural Stone

PRODUCT SPECIFICATIONS

LAND OF ORIGIN

Oppdal quartzite is a medium-grained gneiss-mica slate that is a variant of quartzite schist. Geography: Restfonna, southwest of Oppdal in Norway. All processing of all products is carried out by local stonemasons 2 km from the slate quarry.

TECHNICAL DATA

Feature	Standard	Value	Test institution / year
Petrography	NS EN 12670	Quartzite schist	
Density	NS-EN 1936	2,70 g/cm ³	TÜV 2016
Water absorption	NS-EN 13755	0,2 weight % (Frost resistant)	TÜV 2017
Flexural strength	NS-EN 12372	35,8 MPa (Mean value)	RICE CBI 2017
Abrasion resistance	NS-EN 14157 (A)	20.0 mm	SINTEF 2007
Slip resistance, antique brushed	NS-EN 14231	SRV dry: 60, wet: 30	SINTEF 2012
Slip resistance, silk brushed	NS-EN 14231	SRV dry: 71, wet: 49	SINTEF 2012
Slip resistance, honed C 600	NS-EN 14231	SRV dry: 81, wet: 31	SINTEF 2012
Slip resistance, natural	DIN 51130	R13	TÜV 2015
Slip resistance, antique brushed	DIN 51130	R10	TÜV 2014
Slip resistance, silk brushed	DIN 51130	R10	TÜV 2014
Slip resistance, honed C 600	DIN 51130	R9	TÜV 2014
Breaking load at dowel hole	NS EN 13364	1920 N (Mean value)	TÜV 2012
Centric tension load		2,65 KN (Mean value)	KEIL 2012
Shear load		6,0 KN (Mean value)	KEIL 2012

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

Key environmental indicators	Unit	Cradle to gate A1–A3				Transportation A4–400km
		Broken edge		Sawn edge		
		Variable thickness	Even thickness	Variable thickness	Even thickness	
Global warming	kg CO ₂ -equiv.	58,1	83,7	131	177	25,2
Energy use	MJ	976	2 504	2 377	4 286	462
Share of renewable energy used*	%	16 %	53 %	21 %	41 %	1,7 %

* 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	46%	CBI 2015
Mica	NS EN 12407	34%	CBI 2015
Feltspar	NS EN 12407	12%	CBI 2015
Epidote	NS EN 12407	6%	CBI 2015
Titanite	NS EN 12407	2%	CBI 2015

Contact

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