

Product datasheet

Light Oppdal quartzite schist

LIGHT OPPDAL QUARTZITE

LAND OF ORIGINE

Oppdal quartzite is a medium-grained gneiss-mica slate that is a variant of quartzite schist. Geography: Restfonna, south-west 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	Comment	Test institute / year
Petrography	NS-EN 12670	Quartzite schist		
Density	NS-EN 1936	2730 kg/m ³		RISE 2024
Water absorption	NS-EN 13755	0,2 weight%	Frost proof	RISE 2024
Flexural strength	NS-EN 12372	35,8 MPa	Mean value	RISE 2024
Abrasion resistance	NS-EN 14157 (A)	20.0 mm		SINTEF 2007
Slip resistance, antique brushed	NS-EN 14231	SRV dry: 56, wet: 44	Mean value	RISE 2022
Slip resistance, silk brushed	NS-EN 14231	SRV dry: 53, wet: 23	Mean value	RISE 2022
Slip resistance, honed C 600	NS-EN 14231	SRV dry: 81, wet: 31	Mean value	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)

		Product Carbon Footprint - cradle to gate [A1-A3] *									
		Material thickness:									
		10mm	12mm	15mm	20mm	25mm	30mm	40mm	50mm	60mm	
Light Oppdal, hewn edge	kg CO ₂ -eq per m ²	2,32	2,79	3,48	4,64	5,81	6,97	9,29	11,61	13,93	
Light Oppdal, sawn edge	kg CO ₂ -eq per m ²	6,21	7,45	9,32	12,42	15,53	18,63	24,84	31,05	37,26	

* Finished goods at factory: Sæterfjellvegen 66, 7345 Drivdalen, Norway

** kg CO₂-eq per m² = total amount of greenhouse gas emissions (CO₂) in kg based on 60 years of service life

MINERALOGY

Mineral	Standard	Value	Test institute / year
Quartz	NS EN 12407	46,0%	CBI 2015
Mica	NS EN 12407	34,0%	CBI 2015
Feltspar	NS EN 12407	12,0%	CBI 2015
Epidote	NS EN 12407	6,0%	CBI 2015
Titanite	NS EN 12407	2,0%	CBI 2015