



2013

Alta Quartzite

Quartziteschist/ Quartz flagstone

Grey

Peska, Langvannet and Stilla quarries, Alta municipality, Finnmark county, Norway.

NS-EN 1341 Slabs of natural stone for external paving

NS-EN 1469 Slabs of natural stone for cladding

NS-EN 12057 Modular tiles of natural stone

NS-EN 12058 Slabs of natural stone for floors and stairs

<i>Characteristics</i>	<i>Declared values</i>	<i>Test method</i>
Breaking load at dowel hole	Lower expected value: 3550 N Mean value: 3930 N Standard deviation: 613 N	NS-EN 13364 Specimen: 200mmx200mmx30mm Surface: Riven
Flexural strength	Lower expected value: 29,9 MPa Mean value: 33,8 MPa Standard deviation: 1,9 MPa	NS-EN 12372 Specimen: 300mmx50mmx50mm Surface: Riven
Reaction to fire	Class: A1	Without testing
Frost resistance	Change of flexural strength after 50 freeze-thaw-cycles: (Change from 43,7 MPa to 37,5 MPa) 14 % decrease	NS-EN 12371 and NS-EN 1926
Water absorption	0,1 % weight	NS-EN 13755
Slip resistance by means of pendulum test	SRV dry: 63 SRV wet: 42	NS-EN 14231 and BS-EN 1341 Surface: Riven
Apparent density	2730 kg/m ³	NS-EN 1936
Water vapour permeability	NPD	
Resistance to ageing by thermal Shock	After 20 cycles: Weight loss: < 0,0% Change of ultrasound: < 2% increase	NS-EN 14066
Abrasion resistance	16,5 mm	NS-EN 14157 (A) Surface: Grinded C 120
Tactility	NPD	
Petrographic composition	Quartz 35% Potassium Feldspar 20% Muscovite (and Biotite) 17% Plagioclase 12% Epidote 6% Calite 5% Titanite 3% Opaques 2%	EN 12407 Only main minerals