

EN characterisation tests	Gneiss Calanca
Apparent density; year 2015 EN 1936 / EN 1341	2701 ± 1 kg/m ³
Open porosity; year 2015 EN 1936 / EN 1341	0.8 ± 0.01%
Water absorption at atmospheric pressure; year 2015 EN 13755 / EN 1341	0.3 %
Capillary water absorption; year 2015 Perpendicular to the schistosity Parallel to the schistosity EN 1925 / EN 1341	2.3 g/m ² · √s 3.0 g/m ² · √s
Compressive strength; year 2015 Perpendicular to the schistosity Parallel to the schistosity EN 1926 / EN 1341	187 MPa 151 MPa
Durability of compressive strength against freeze/thaw; year 2015 Perpendicular to the schistosity EN 1926 / EN 12371 / EN 1341	185 Mpa
Slip resistance; year 2013 Honed surface EN 14231 / EN 1341	75 (dry); 61 (wet)
Abrasion resistance; year 2013 EN 14157 / EN 1341	18 mm
Flexural strength under concentrated load; year 2015 perpendicular to the planes of anisotropy perpendicular to the edges of planes of anisotropy EN 12372 / EN 1341	12.8 MPa 16.7 MPa
Durability of flexural strength against freeze/thaw; year 2013 EN 12372 / EN 12371 / EN 1341	16.0 MPa
Freeze/thaw with de-icing salts; year 2015 SIA 262/1 C / EN 1341	Class 1, designation F1, frostproof

Petrographic analysis (EN 12407)	Gneiss Calanca
Plagioclase	35 %
Quartz	30 %
Biotite	20 %
K-feldspar	12 %
Titanite	2 %
Other	1 %