

TEST RESULTS SILBERQUARZIT

Quartz content:	more than 90%
Water absorption:	0.22 % according to DIN 52103
Density:	2.65 t/m ³ according to DIN 52102
Compressive strength:	MPa 288.7 according to DIN EN 1926
Flexible strength:	19.7 according to DIN 2109
Salt resistance:	The Silberquarzit was subjected to a crystallization test with sodium sulphate according to DIN 52111-A. <u>Result:</u> Resistant to salts.
Resistance to abrasion:	The Silberquarzit was subjected to a wear test according to DIN 52108 <u>Result:</u> Abrasion wear was an average of 4.3 cm ³ /50 cm ² .
Frost resistance:	The Silberquarzit was tested for weathering according to DIN 52104-8. <u>Result:</u> Totally frost resistant.
Acid/chlorine resistance:	The Silberquarzit was subjected to an acid resistance test per DIN 52206. <u>Result:</u> Acid and chlorine resistant.
Bacterial colonization:	The Silberquarzit was tested for surface behavior towards bacteria. <u>Result:</u> Absolutely no growth of microbiological organisms was detected. From a microbiological hygiene perspective, silver quartzite stone represents a safe surface.
Slip resistance:	R 12 per DIN 51130 with rough split surface. R 10 per DIN 51130 with diamond sawn surface. C per DIN 51097 with rough split surface. C per DIN 51097 with diamond sawn surface
Phosphorus content:	less than 6 mg/kg, ideal for use in pond construction

The tests were carried out by the Landesgewerbeamt Bayern (LGA).
Indicative values, for more information or test reports contact the company.

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