



TECHNICAL DATA SHEET

VIA Quartz Sand

Graded quartz sand 0.063 to 0.2 mm as aggregate for the grouting slurry

VIA Quartz Sand is a washed, dried and graded quartz sand with a grain size of 0.063 to 0.2 mm. It is the aggregate for the grouting slurry mixed on site for VIA Cement Tiles.

The narrow grading curve is decisive: only a sand of this fineness completely fills the 1 mm joint without scratching the absorbent face layer of the tile. Coarser sands leave scratch marks during grouting, finer powders increase the water demand and lead to shrinkage cracks in the joint.

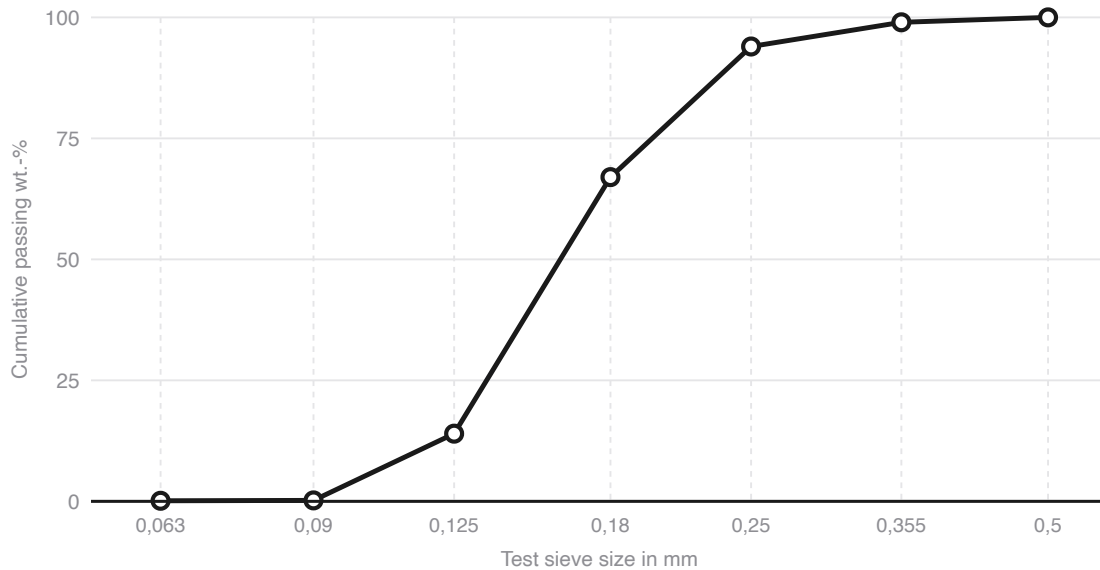
TECHNICAL DATA

Technical Data

Grain size	0.063 to 0.2 mm
Bulk density	1.6 g/cm ³
Particle density	2.65 g/cm ³
Residual moisture	< 0.2 %
Mohs hardness	7
d10	0.12 mm
d50	0.16 mm
d60	0.17 mm
d90	0.24 mm

GRADING CURVE

Particle Size Distribution



Cumulative passing in per cent by weight against test sieve size

TEST SIEVE SIZE	CUMULATIVE PASSING WT.- %
0.500 mm	100.0
0.355 mm	99.0
0.250 mm	94.0
0.180 mm	67.0
0.125 mm	14.0
0.090 mm	0.2
0.063 mm	0.1

APPLICATION

Grouting Slurry



Mixing ratio by volume

- 1 Dry mixing**
 Homogenise two parts by volume of trass cement and one part by volume of VIA Quartz Sand while dry.
- 2 Mixing**
 Add clean, cold water until a yoghurt-like, pourable slurry is obtained. Do not mix too thin.

3 Grouting in

Work the slurry into the full surface with a rubber float diagonally to the joints until all joints are closed.

4 Clean off immediately

Clean off immediately after grouting with clean water and frequently changed rinsing water. Do not allow to dry on.

CEMENT HAZE

Cement haze that dries on can only be removed later with acid. Acid attacks the cement-bound face layer and permanently dulls it. Cleaning is therefore part of grouting, not a later work step.

IMPORTANT INFORMATION**Storage and Notes**

- Store dry. Damp sand forms lumps and can no longer be dosed evenly.
- Use trass cement only. Portland cement is more prone to efflorescence on the absorbent face layer.
- Do not use ready-mixed grouts or additives.
- Quartz sand is chemically inert and not classified as hazardous. Avoid dust formation when handling dry material.

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