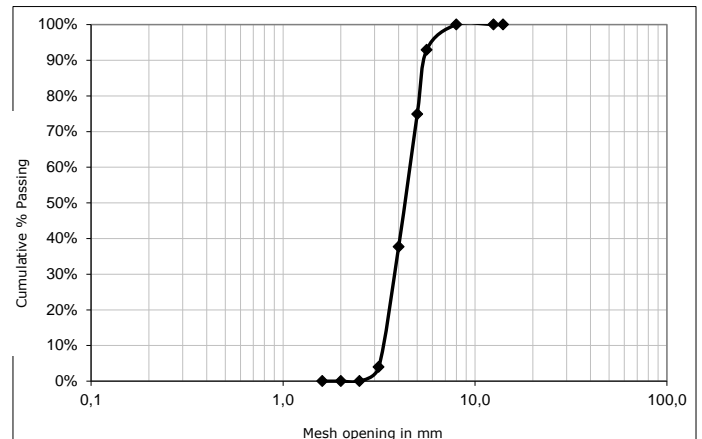


Filter gravel HFk 3.15-5.6 mm is a natural product which becomes by using modern processing techniques a high quality industrial mineral.

Our filter gravel is characterized by its high purity, high sintering temperature and very high quartz content (SiO₂). Due to multiple washings it's free of impurities. The filter gravel is than kiln dried to less than 1% residual humidity and screened. With highly developed classifying technology there are accurately separated grain fractions possible. Our products fulfill due to daily controls the requirements of the latest standards.



Grain size distribution

Size of mesh in mm	Sieve retention in %
< 1.600	0
1.600-2.000	0
2.000-2.500	0
2.500-3.150	3.9
3.150-4.000	37.7
4.000-5.000	37.1
5.000-5.600	18
5.600-8.000	7.1
8.000-12.50	0
> 12.50	0

Average grain size [MK] d50 (MK)* = 4.329
Coefficient of cyclic variation [U] d60/d10 (U) = 1.394

Screening is performed by vibration machine AS200 Control of Retsch (sample weight 500g, screening time 6min, amplitude 1.5 plant Haida).

Physical analysis

Density	2.65 Mg/m ³
Bulk density	~1.58 Mg/m ³
Shape	edge rounded
Sintering point	> 1450 °C
pH-value**	~ 7
Residual moisture	< 0.1 %
Clay content / porportion of fines	< 0.3 %
Amount of organic matter	none
Hardness (Mohs)	~ 7
Loss on ignition	< 0.17 %

** VDG-Specification p 26

* VDG-Specification p 27

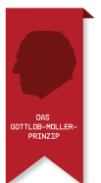
Chemical analysis

Data in wt.-%	
SiO ₂	97.3
Fe ₂ O ₃	0.07
Al ₂ O ₃	1.7
CaO	0.03
K ₂ O	0.8
Na ₂ O	0.1
Acid-soluble sulfate	AS _{0.2}
Chlorides	< 0.02

Our products can be offered on costumer's demands and for all customer-specific requirements.

All data are approximate values and do not represent any warranty. The deliveries, performance and offers of our enterprise shall be based exclusively on our Terms and Conditions.

Technical data sheets upon request.



DIN EN ISO 9001:2015
REG.-NR.: NO-107/95-038-1

Certificates:
DIN EN ISO 9001:2015
DIN ISO 50001:2011

Sieve set DIN ISO 3310 part 1

According to: DIN EN 12904, DIN EN 15798, DIN 4924