

# Filter sand

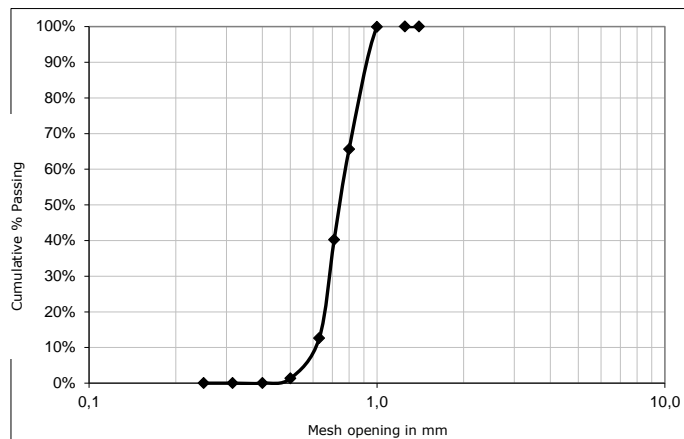
## HF's 0.5-1.0 mm

Plant: Haida



**Filter sand HF's 0.5-1.0 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 (SiO<sub>2</sub>). 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	Size of mesh in mm
< 0.250	0
0.250-0.315	0
0.315-0.400	0
0.400-0.500	1.3
0.500-0.630	11.3
0.630-0.710	27.6
0.710-0.800	25.4
0.800-1.000	34.3
1.000-1.250	0.1
> 1.250	0

Average grain size [MK] d50 (MK)\* = 0.745  
Coefficient of cyclic variation [U] d60/d10 (U) = 1.302

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 <sup>3</sup>
Bulk density	~ 1.47 Mg/t
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 %

\*\* VDQ-Specification p 26  
\* VDQ-Specification p 27

### Chemical analysis

Data in wt.-%	
SiO <sub>2</sub>	97.6
Fe <sub>2</sub> O <sub>3</sub>	0
Al <sub>2</sub> O <sub>3</sub>	1.5
CaO	0
K <sub>2</sub> O	0.9
Na <sub>2</sub> O	0
Acid-soluble sulfate	AS <sub>0.2</sub>
Chlorides	< 0.02

**Auf Wunsch sind nach vorheriger Absprache kundenspezifische Kornabstufungen lieferbar.** Prüfzeugnisse auf Anfrage.

Die angegebenen Daten sind Richtwerte, eine Verbindlichkeit kann daraus nicht abgeleitet werden. Körnungen und Mischungen können Kundenindividuell angepasst werden. Zur Festlegung der Qualitätsvereinbarungen stehen wir Ihnen gern zur Verfügung. Alle Lieferungen und Leistungen erfolgen zu unseren Allgemeinen Geschäftsbedingungen.



**Certificates:**  
**DIN EN ISO 9001:2015**  
**DIN ISO 50001:2011**  
Sieve set DIN ISO 3310 part