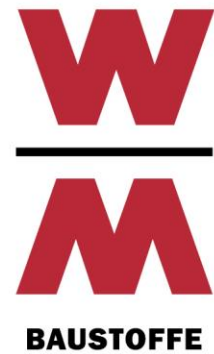


## PRODUCT OVERVIEW

# Silica sand for sport, recreation and leisure

Plant: Haida, Quedlinburg



### Silica sand for sport, recreation and leisure

Grain size in mm	Plant Haida	Plant Quedlinburg
Beachvolleyball sand 0 - 1 kiln dried*		x
Beachvolleyball sand 0 - 1 dump wet		x
Playground sand 0 - 1 mm		x
Playground sand 0 - 2 mm	x	x
Fall-protection sand 0.02 - 2.0 mm	x	
Fall-protection sand 0.7 - 1.25 mm		x
Fall-protection gravel 2/6 mm	x	
Fall-protection gravel 2/8 mm	x	
Horse riding course 0.1 - 0.6 mm		x
Golf course sand 0.2 - 2.0 mm		x
Artificial turf sand 0.3 - 0.8 mm*	x	
Artificial turf sand 0.3 - 1.0 mm*		x
Artificial turf sand 0.3 - 1.25 mm*	x	x

### Physical parameters

Density	2.64 Mg/m <sup>3</sup>
Bulk density	~1.49 Mg/t
Shape	edge rounded
Sintering point	> 1450 °C / > 1600 °C
pH-value VDG-Specification p 26	~7 / 7.5
Residual moisture	< 0.1%
Clay content / porportion of fines	< 0.2%
Hardness (Mohs)	~ 7

#### Packaging services\*:

Different package sizes (big bags, 25 kg, plastic or paper valve sack each 25 kg), Supply of silica sand and quartz gravel in bulk form (silo trucks)

#### Transport security:

Europallets, IPPC-pallets, shrink-wrapped, big bag

#### Prices:

Upon request

#### Surcharge for small quantities:

When delivering quantities less than 1 t a quantity surcharge of 100% will be added to the material price.

#### Energy surcharge: (applies just for kiln dried silica sand)

The determination of the energy surcharge for the current month are accounted by the purchase price of heating oil in the first week of the month.

The deliveries, performance and offers of our company shall be based exclusively on our Terms and Conditions. You can view these or download at [www.wm-baustoffe.de](http://www.wm-baustoffe.de) (AGB).

Screening is performed by vibrationmaschine AS200 Control of Retsch (sample weight 100g, screening time 5min, amplitude 1.5 plant Quedlinburg / sample weight 200g sand / 500g gravel, screening time 6min, amplitude 1.5 plant Haida).

### Chemical parameters

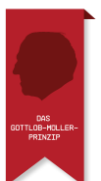
SiO <sub>2</sub>	96.8 % / > 99.7 %
Fe <sub>2</sub> O <sub>3</sub>	0.10 % / ≤ 0.08 %
Al <sub>2</sub> O <sub>3</sub>	1.67 % / < 0.10 %

#### Certification:

**DIN EN ISO 9001:2008**

**DIN ISO 50001:2011**

Beach volleyball sand according to DVV 1-certificate,  
Playground sand DIN 18034,  
Fall protection sand and -gravel DIN EN 1176-1, DIN EN 1177,  
Artificial turf sand DIN SPEC 18035-7



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

Technical data sheets upon request.

## WOLFF & MÜLLER Baustoffe GmbH

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as at january 2017