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 Variant:  
 Product designation: Washed, kiln-dried and sorted silica sand

Responsible: Afdelingschef – QHSE, Morten Grundvad  
 Item number: 200004, 200006  
 Producer: DANSAND A/S, Lervejdal 8B, 8740 Brædstrup

## Sand for dry concrete and mortar

# Silica sand with uniform grain curves

## Description

Our silica sand for dry concrete and mortar is a pure product in the highest exposure class. The product has a high content of quartz and a uniform, defined grain curve, which is of great importance for the strength and other properties of the end product.

The silica sand forms the basis for a large number of different dry concrete types, mortars and putties. It is available in standard of sizes 0/2 mm and 0/4 mm. We can also adapt the product so that you get exactly the grain curve you need within a range of 0-12 mm.

Silica sand from Dansand® is CE marked for use in concrete and mortar.

### BENEFITS OF DANSAND® SAND FOR DRY CONCRETE AND MORTAR

- Pure product with a high silica content
- Uniform grain curve
- Strong and attractive end result
- Grain curve can be adapted to your requirements

## Specifications

### APPLICATION

Used as a main component in dry concrete and mortar.

### DECLARATION

Washed, oven-dried and sifted silica sand with a stable and defined grain curve. Virtually all grain sizes in individually composed grain curves within the range 0.00 - 12 mm are possible.

### PHYSICAL PROPERTIES

Properties	Test method	Expected value	Variation range
Grain density - kg/m <sup>3</sup>	DS/EN 1097-6	2640	2590 - 2690

Absorption - %	DS/EN 1097-6	0.1	0.1 - 0.3
Humus	DS/EN 1744-1	Lighter	
Chlorid - %	DS/EN 1744-1	0.012	≤ 0.012
Equivalent Na <sub>2</sub> O - %	Calculation	0.010	≤ 0.012
Alkaline reactivity - %	ASTM C1260	Max 0,1 %	≤ 0.1
Sifting analyses after EN 933-1			
Nominal grain size - mm	4	100	100
	2	99	95-100
	1	97	88-99
	0.5	72	65-85
	0.25	30	20-40
	0.125	1,0	0-8
	0.063	0,1	0,0-3,0
category DS/EN 12620 / DS/EN 13139	GF85 / f3		

Silica sand for use in concrete and mortar 0-2 mm

Product description: Oven-dried silica sand

Product number: 200006

DoP no.: 45

Exposure class: XD2, XD3, XS3, XF4, XA3

## PHYSICAL PROPERTIES

Properties	Test method	Expected value	Variation range
Grain density - kg/m <sup>3</sup>	DS/EN 1097-6	2640	2590 - 2690
Absorption - %	DS/EN 1097-6	0.1	0.1 - 0.3
Humus	DS/EN 1744-1	Lysere	
Chloride - %	DS/EN 1744-1	0.012	≤ 0.012
Equivalent Na <sub>2</sub> O - %	Calculation	0.010	≤ 0.012
Alkaline reactivity - %	ASTM C1260	Max 0,1 %	≤ 0.1
Sifting analysis after EN 933-1			

Nominal grain size - mm	8	100	100
	4	99	95-100
	2	93	80-100
	1	78	65-90
	0.5	60	40-70
	0.25	18	10-35
	0,125	2	0-15
	0,063	0.5	0-7
category DS/EN 12620 / DS/EN 13139	GF85 / f3		

Silica sand for use in concrete and mortar 0-4 mm

Product description: Oven-dried silica sand

Product number: 200004

DOP no.: 44

Exposure class: XD2, XD3, XS3, XF4, XA3

Analysis data should be considered as guidance only. The raw material is a natural product whose composition may vary.

## STORAGE

Dry, covered and without risk of contamination.

## DELIVERY

Delivered in bulk.

## ENVIRONMENTAL INFORMATION AND DISPOSAL

Prevent dust. Used silica sand should be disposed of in accordance with local requirements.

## PHYSICAL PROPERTIES

All grain sizes in individually composed grain curves within the range 0.00 - 12 mm.

## Documentation

- [Compliance Certificate for concrete](#)
- [Compliance Certificate for mortar](#)
- [Aggregate for concrete](#)



Sand for dry concrete and mortar

Variants: 0-2 mm - 200006, 0-4 mm - 200004