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

Responsible: Linette Helbo Jensen  
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](#)
- [Agregate for concrete](#)



## Sand for dry concrete and mortar

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