



# Wünschendorfer Dolomitwerk GmbH

Geraer Straße 34 · D 07570 Wünschendorf · Phone +49(0)36603/81-0 · Fax +49(0)36603/81-301 and /81-214  
dolomitwerk@t-online.de

## Dolomite Sand

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### 1. General

Dolomite sand is produced from dolomite rock, grain size 2 - 30 mm at the Caaschwitz open-pit mine. The rock is processed by a special-purpose combined grinding and drying system and a classifier to become dolomite sand. It is certified for use as aggregate for concrete, mortar and asphalt in accordance with EN 12620, EN 13043, EN 13139.

### 2. Chemical composition

|  |   |        |
|--|---|--------|
| Total (CaCO <sub>3</sub> and MgCO <sub>3</sub> ) | > | 95.0 % |
| thereof MgCO <sub>3</sub>                        | > | 40.0 % |
| SiO <sub>2</sub>                                 | < | 2.5 %  |
| Fe <sub>2</sub> O <sub>3</sub>                   | < | 1.0 %  |
| Al <sub>2</sub> O <sub>3</sub>                   | < | 1.0 %  |
| H <sub>2</sub> O                                 | < | 0.2 %  |

### 3. Physical characteristics

- Bulk density approx.. 2.863 g/cm<sup>3</sup>
  - Bulk weight depending on grain size 1.20 – 1.60 kg/l
  - Grain sizes
- |      |   |      |    |
|------|---|------|----|
| 0    | - | 0.09 | mm |
| 0.09 | - | 0.4  | mm |
| 0.4  | - | 0.9  | mm |
| 0.9  | - | 1.4  | mm |
| 1.4  | - | 2.0  | mm |
| 0    | - | 2.0  | mm |
| 2.0  | - | 4.0  | mm |

From 0 to 2 mm every size fraction can be batched individually so that custom-made recipes can be offered.

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Burnt dolomite for metallurgy · Quicklime as fertilizer · Pulverized dolomitic lime according to DIN EN 459-1 for soil compaction · DEDOLDES® for animal housing hygiene · Decarbolith for water treatment · Carbonic magnesium lime as fertilizer · Dolomite filler · Dolomite sands · Washed crushed rock and chippings · Base sealing material · Variegated sandstone · Rubble recycling · brick, concrete, bitumen · Concrete recycling 32 mm · Excavated earth acceptance · Earthwork



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### 4. Transport

The sand is transported in closed road tankers and tarpaulin-covered semi-trailers respectively or in Big Bags.

### 5. Storage

The material must be stored in closed bins.

### 6. Application

Aggregate for

- plaster and mortar
- metallurgy
- glass industry
- fluidized-bed combustion
- agriculture
- asphalt industry

### 7. Quality assurance

Self-monitoring: in-house lab

External monitoring: STB Prüfinstitut Erfurt

No safety datasheet as per Article 31 paragraph 1 REACH Regulation and Sect. 5 Hazardous Substances and New Organisms Act (2010) is required for the use of dolomite sand.