



# Wünschendorfer Dolomitwerk GmbH

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## Filler

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### 1. General

Filler is produced from dolomite rock, grain size 2 to 30 mm at the Caaschwitz open-pit mine. A special-purpose roller-and-bowl mill and a dryer are used to make the filler with a grain size < 0.09 mm from the dolomite rock.

### 2. Chemical composition

|   |   |       |                                |
|---|---|-------|--------------------------------|
| $\Sigma$ (CaCO <sub>3</sub> and MgCO <sub>3</sub> ) | > | 95.0  | Thereof MgCO <sub>3</sub> >40% |
|   |   | %     |                                |
| 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 data

|                        |   |             |                   |
|------------------------|---|-------------|-------------------|
| Bulk density           |   | 2.863       | g/cm <sup>3</sup> |
| Bulk weight            |   | 1.15 - 1.25 | kg/l              |
| Voids acc. to Ridgen   | ≤ | 35.00       | % vol.            |
| Water-soluble fraction | ≤ | 0.41        | % w/w             |

### 4. Grading

|   |          |         |
|---|----------|---------|
| < | 0.125 mm | 100.0 % |
| < | 0.090 mm | 90.0 %  |
| < | 0.030 mm | 60.0 %  |

### 5. Transport

The filler is transported by road tankers or in Big Bags.

### 6. Storage

It must be stored in closed silos.

09/2011

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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### 7. Application

- Asphalt manufacturers/mastic asphalt
- Plaster aggregate, roofing felt, metallurgy, lime-straw mattress, fertilizer

### 8. 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 the filler.