



Wünschendorfer Dolomitwerk GmbH

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Pulverized dolomitic lime for soil enrichment and soil compaction

1. General

Pulverized dolomitic lime from Wünschendorf and Caaschwitz is made of natural dolomite by burning it in a shaft kiln. Its main components are calcium and magnesium oxides. Pulverized dolomitic lime is made from dolomite of our own deposits that is selectively mined and processed.

The reactivity and chemical composition are monitored in accordance with DIN EN 459. The conditions for soil enrichment and compaction have been verified by application tests.

Please note:

It cannot be used as a binder for plaster and mortar materials.

According to DIN EN 459 the product is named Pulverized Dolomitic Lime DL 85-30-Q (R2, P3)

2. Chemical composition according to DIN EN 459-1

| | | <u>DL 85</u> |
|-----------------|---|--------------|
| CaO + MgO | ≥ | 85 % |
| MgO | ≥ | 30 % |
| CO ₂ | ≤ | 9 % |
| SO ₃ | ≤ | 2 % |

3. Physical data

| | |
|---------------------|----------------------------|
| Bulk weight | approx. 0.95 – 1.05 kg / l |
| Slaking temperature | 40°C in 25 minutes (R2) |

4. Grain sizes available

| | | <u>P3</u> |
|------------|---|-----------|
| Screenings | | |
| 5 mm | = | 100 % |
| 2 mm | ≥ | 95 % |
| 0.09 mm | ≥ | 30 % |

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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5. Transport

The product must be transported in closed or tarpaulin-covered containers:

- road tankers
- tarpaulin-covered trucks or
- textile containers.

Pulverized dolomitic lime is cauterizing and releases heat when coming into contact with water.

6. Storage

The product should be protected against weather influences and stored in tight containers. Otherwise there would be the risk of re-carbonization and hydration. It is therefore recommended to install the material without delay.

7. Registration

Registration according to the REACH Regulation 1907/2006/EC

Date of registration: 27 September.2010
Reference number: 01-2119474202-47-0005
EC number: 253-425-0
CAS number: 37247-91-9
Chemical name: Calcium magnesium oxide

8. Safety advice

It causes irritations and burns Wear goggles and protective clothing. In case of eye contact, rinse with water for several minutes and consult a doctor.
Keep away from children.

9. Quality assurance

Self-monitoring: at in-house lab
External monitoring: Materialforschungs- und Prüfanstalt University of Weimar