

## Marmorweißkalkhydrat CL 90-S - Ulmer Weißkalk White hydrated «marble» lime CL 90-S/ White lime from Ulm

**Märker Marmorweißkalkhydrat** (White hydrated «marble» lime) is produced from natural Jurassic limestone that is burned at temperatures below the sintering temperature and then finely ground and air-classified.

**Märker Marmorweißkalkhydrat** is produced by dry-slaking of the ground white fine lime followed by air-classifying.

### Properties:

The main chemical component of Märker Marmorweißkalkhydrat is calcium hydroxide. This has a strongly basic effect, the pH-value is 12.4. It is therefore suitable for increasing the pH-value or for neutralizing acids.

Calcium hydroxide forms chemical compounds with many substances that are difficult to dissolve. This is used in separation and precipitation reactions.

Märker Marmorweißkalkhydrat is characterized by its high chemical purity (very low content of secondary elements) and its bright white color.

### Applications:

Various application possibilities, for example in the:

- Production of ready-mixed dry mortar (high surface and fineness result in increased suppleness and thus better pumpability of the fresh mortar and faster application to the wall)
- Lime plaster production
- Building Materials Industry
- Color composition
- Water treatment (adjustment of water hardness by softening or hardening)
- Treatment of water intended for human consumption (adjustment of water hardness by softening or hardening)
- Wastewater treatment (precipitation and flocculation of metal ions, separation of sulfate, chloride, fluoride, phosphate, reduces odor nuisance, adjustment of the pH-value)
- Chemical industry or galvanic processes as lye or for neutralization in chemical processes
- Agriculture to adjust the pH-value in biogas plants
- Sugar Industry
- Paper and pulp production
- Conditioning of sludge (industry, ponds, sewage treatment plants...)

Many other applications are also possible - please contact us!

### Processing:

When processing Märker Marmorweißkalkhydrat, avoid contact with skin and eyes. The wearing of suitable protective clothing is mandatory.

### Standards:

Hydrated lime according to EN 459 (building lime)

Hydrated lime according to EN 12518 (Chemicals used for treatment of water intended for human consumption - High-calcium lime)

**Quality control:** In-house production control and external monitoring by the institut for Kalk- und Mörtelforschung e. V., Köln

**Supply:** bulk in silo trucks  
packed in 20 kg bags (50 bags on a palette)  
available in Harburg (south of Germany)

**Storage:** Märker Marmorweißkalkhydrat should be stored dry, protected from moisture and damp air.

<b>Type analysis:</b>	Ca(OH) <sub>2</sub> + Mg(OH) <sub>2</sub> calculated	≥ 92 %
	CaO	≥ 73 %
	MgO	≤ 0.5 %
	SiO <sub>2</sub>	≤ 1 %
	Fe <sub>2</sub> O <sub>3</sub>	≤ 0.3 %
	Al <sub>2</sub> O <sub>3</sub>	≤ 0.4 %
	SO <sub>3</sub>	≤ 0.2 %
	<b>Physical data:</b>	Bulk density
Sieve residue at 0.09 mm		≤ 1 %

Please refer to our current safety data sheets according to EC Regulation No. 1907/2006 for tips on handling our products. Any information, product descriptions or technical data provided in this publication is without warranty and any liability is excluded. The values in our data sheets are average values based on numerous measurements.

01/2021