

Hydrat 40 – Weißkalkhydrat Hydrat 40 / White hydrated lime

Märker Hydrat 40 (Märker White hydrated lime 40) is produced from natural Jurassic limestone that is burned at temperatures below the sintering temperature and then finely ground and air-classified. Märker Hydrat 40 is produced by dry-slaking of ground quicklime. Through subsequent air-classifying Märker Hydrat 40 obtains its special fineness

Properties: The main chemical component of Hydrate 40 is calcium hydroxide. This has a strongly basic effect, the pH-value is 12.4. Hydrate 40 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. Hydrate 40 is characterized by its high chemical purity (very low content of secondary elements) and fineness.

Applications: Wide range of applications in the industry - please contact us!

Processing: When processing Märker Hydrat 40, avoid contact with skin and eyes. The wearing of suitable protective clothing is mandatory.

Quality control: In-house production control

Supply: In flexible IBCs (big bags) each with 400 kg, available in Harburg at the south of Germany

Storage: Märker Hydrat 40 should be stored dry, protected from moisture and damp air.

Type analysis:	CaO	73 %
	MgO	0.5 %
	SiO ₂	1 %
	Fe ₂ O ₃	0.3 %
	Al ₂ O ₃	0.4 %
	SO ₃	0.2 %
	content of water-soluble Ca(OH) ₂	93 %

Physical data:	Bulk density	350-400 kg/m ³
	Sieve residue at 0.090 mm	0.01 %
	Sieve residue at 0.063 mm	0.1 %
	Sieve residue at 0.040 mm	0.5 %

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.

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