



Tradical® H

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Tradical® is a range of high quality products developed to provide durable, healthy, sustainable and energy efficient construction. Tradical® is a registered trademark of Lhoist Recherche et Développement S.A.

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Product information

A high purity hydrated lime powder product designated CL90 S manufactured to conform to the building lime standard EN 459-1.

Application areas

The hydrated lime product is used in a range of different applications mainly including the production of lime mortars, renders and fine lime plasters. Products can be available as dry silo mortars which just need water addition or ready to use mortars in tubs. May also be used in lime:sand blends for on-site production.

Methods of Use

The product is used in bulk production processes; individual batch mixes and combined with other components to deliver a wide range of different building materials with a spectrum of characteristics determined by controlled specifications.

CHEMICAL PROPERTIES

Acc. to EN 459-2

		Typical Analysis
Calcium Hydroxide	Ca(OH) ₂	96.62 %
Calcium Carbonate	CaCO ₃	2.00 %
Magnesium Oxide	MgO	0.27 %
Iron Oxide	Fe ₂ O ₃	0.05 %
Aluminium Oxide	Al ₂ O ₃	0.07 %
Silicon Dioxide	SiO ₂	0.42 %
Manganese	Mn	130 ppm
Sulfur	S	<0.01 %
Lead	Pb	2 ppm
Arsenic	As	<1 ppm
Free Moisture		0.50 %
Available Lime (as Ca(OH) ₂)		97.77 %
Neutralisation value (as CaO)		75.01 %

PHYSICAL PROPERTIES

Grading % passing	
200 µm	99.4 %
90 µm	94.4 %
BET Surface Area (m ² /g)	20
Bulk Density	
Loose	560 kg/m ³
Fully Compacted	670 kg/m ³

Packaging

- Bulk delivered to silos by pneumatic discharge tanker

Storage

- Keep away from damp
- Avoid contact with aluminium
- The bags must be stored in a dry place. The silos must be hermetically sealed

Safety data

Lime substances are classified under Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation). Before handling, always read the extended REACH Safety Data Sheet and container labels for safe use, physical and health hazard information of the specific product. Safety data sheet: Calcium dihydroxide REACH Reg. No. 01-2119475151-45-0053



Quality

Products are manufactured in production plants that are ISO 9001 compliant.



As the commercial product is obtained from a natural resource, these standard characteristics are average values and are given for information purposes only. For technical support address to your local Lhoist contact.

Lhoist UK Ltd. • Hindlow • Buxton • Derbyshire • UK • SK17 0EL

Phone: +44 (0)1298 768666 • www.lhoist.com • uksales@lhoist.com