



# MARTOXID® MR-32

## Aluminum Oxide

### Einsatzbeispiele / Applications

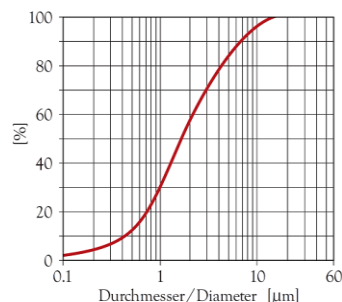
Hochverdichtbares, feinstgemahlenes Aluminiumoxid als reaktive Bindekomponente für geformte und ungeformte Feuerfesterzeugnisse sowie für technische Keramiken.

High compressible superground alumina as a reactive binding component for shaped and unshaped refractory products as well as for technical ceramics.

### Durchschnittsanalyse / Typical analysis

Al <sub>2</sub> O <sub>3</sub>	[%]	≈ 99.8
Na <sub>2</sub> O total	[%]	≤ 0.1
CaO	[%]	≈ 0.03
Fe <sub>2</sub> O <sub>3</sub>	[%]	≈ 0.03
SiO <sub>2</sub>	[%]	≈ 0.05
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	3.5 – 5
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 1000
Wasseraufnahme / Water Adsorption	[ml/100 g]	≈ 13
Typische Verarbeitungseigenschaften / Typical Processing Features:		
Gründichte / Green Density	(50 MPa) [g/cm <sup>3</sup> ]	≈ 2.45
Sinterdichte / Fired Density	(1600°C, 2h) [g/cm <sup>3</sup> ]	≈ 3.4

### Korngrößenverteilung / Particle Size Distribution (Cilas 1064)



d <sub>10</sub> [μm]	0.3 – 0.8
d <sub>50</sub> [μm]	1.6 – 1.9
d <sub>90</sub> [μm]	4 – 7

## Shipping Information

Packaging and minimum order quantity information is available from sales or customer service.

## Safety and Handling Information

For specific safety, toxicity and handling information, please refer to the material safety data sheet on this product.

## Chemical Registration Numbers

Chem. Bezeichnung / Chem. name:	Aluminiumoxid
Formel / formula:	$\text{Al}_2\text{O}_3$
CAS No.:	1344-28-1
EC/EINECS No.:	215-691-6
UN-Nr.:	---

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