



# MARTOXID® MZS-3

## Einsatzbeispiele / Applications

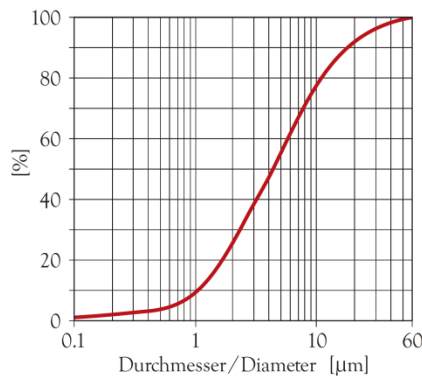
Fertigung hochwertiger Feuerfestprodukte mit niedrigem Na<sub>2</sub>O-Gehalt, z.B. Brennhilfsmittel, Massen, Mörtel; Herstellung mechanisch, chemisch und elektrisch extrem belastbarer Formstücke, z.B. über das Extrudieren oder Verpressen.

Manufacturing of high-quality refractories with low soda content, e.g. saggars, masses, mortars; production by extrusion, pressing etc. of wear-resistant parts, subjected to extremely high mechanical, chemical and electrical loads.

## Durchschnittsanalyse / Typical analysis

Al <sub>2</sub> O <sub>3</sub>	[%]	≈ 99.8
Na <sub>2</sub> O total	[%]	≤ 0.1
CaO	[%]	≈ 0.02
Fe <sub>2</sub> O <sub>3</sub>	[%]	≈ 0.03
SiO <sub>2</sub>	[%]	≈ 0.06
α-Al <sub>2</sub> O <sub>3</sub>	[%]	≥ 95
Glühverlust	[%]	≤ 0.1
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	0.8 – 1.5
Primärkorn / Primary Crystal	[μm]	≈ 2.5
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 600

## Korngrößenverteilung / Particle Size Distribution (Cilas 1064)



d <sub>10</sub> [μm]	0.6 – 1.1
d <sub>50</sub> [μm]	2.5 – 5
d <sub>90</sub> [μm]	7 – 13
> 45 μm [%]	0 – 3

Die oben genannten Werte sind nur als Richtwerte zu verstehen und nicht etwa als zugesicherte Eigenschaften.  
The above mentioned values should be taken only as indications and not as guaranteed properties.

## 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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