



# MARTOXID® DN-440

## Einsatzbeispiele / Applications

Hart kalziniertes, zügig wirkendes Aluminiumoxid für die Politur und Nachpolitur von Stählen und zur Bearbeitung von Nichteisenmetallen; zum Vorschleiff von Lacken und Kunststoffen.

Hard calcined, fast-acting aluminium oxide used for fine polishing and repolishing of all kinds of steel and for processing nonferrous metals brilliance; pre-grinding of lacquers and plastics.

## Durchschnittsanalyse / Typical analysis

Al <sub>2</sub> O <sub>3</sub>	[%]	≈ 99.3
Na <sub>2</sub> O total	[%]	≤ 0.5
CaO	[%]	≈ 0.05
Fe <sub>2</sub> O <sub>3</sub>	[%]	≈ 0.03
SiO <sub>2</sub>	[%]	≈ 0.01
α-Al <sub>2</sub> O <sub>3</sub>	[%]	≥ 95
Glühverlust / Loss on Ignition	[%]	≤ 0.2
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	0.3 – 0.7
Primärkorn / Primary Crystal	[µm]	≈ 6
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 600

### Korngrößenverteilung / Particle Size Distribution (Siebung / Screening)

> 150 µm [%]	< 1
> 63 µm [%]	20 – 30
63 – 45 µm [%]	≈ 20
< 45 µm [%]	≈ 60

Cilas 1064

d<sub>50</sub> [µm] ≈ 12,5 – 27,5

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.: ---

### EUROPE, MIDDLE EAST, AFRICA

Martinswerk GmbH  
Kölnener Straße 110  
D-50127 Bergheim

Phone: +49-2271-902-0  
Fax: +49-2271-902-710

Web: [www.martinswerk.de](http://www.martinswerk.de)  
[www.hubermaterials.com](http://www.hubermaterials.com)

### AMERICAS

Huber Engineered Materials  
3100 Cumberland Boulevard  
Suite 600  
Atlanta, Georgia 30339

Phone: +1 (678) 247-7300  
Fax: +1 (678) 247-2797

### ASIA PACIFIC

Huber Fire Retardant Additives  
(Qingdao) Co.Ltd  
8th Floor No.2 Building, No.7,  
Wuyishan Road, Huangdao District,  
Qingdao – China

Phone: +86 532-58792008  
Fax: +86 532-58792008

Email: [info@martinswerk.com](mailto:info@martinswerk.com)  
[hubermaterials@huber.com](mailto:hubermaterials@huber.com)



THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Refer to Martinswerk's Standard Conditions of Sale for the only express warranties applicable to the Martinswerk products. Products incorporating Martinswerk products are not warranted by Martinswerk. In no event is Martinswerk liable for consequential damages. **MARTOXID**® is used, applied for, or registered as a trademark of Martinswerk GmbH in various countries around the world.  
© July 2017 Martinswerk GmbH