

# BROWN FUSED ALUMINA



**BROWN FUSED ALUMINA** is a non-disposable abrasive according to DIN EN ISO 11126-7 N/FA-A/G and is based on aluminium oxide.

## CHARACTERISTICS

- > non-metallic
- > versatile
- > high-quality
- > multifunctional
- > high specific weight
- > hard
- > low-dust
- > sharp-edged – highly abrasive
- > iron-free for stainless and special steel as well as non-ferrous metals
- > for compressed air jet technology

## CHEMICAL ANALYSIS

(normal values)

Al <sub>2</sub> O <sub>3</sub>	min. 93,50 %
TiO <sub>2</sub>	2,7 %
Fe <sub>2</sub> O <sub>3</sub>	1,0 %
SiO <sub>2</sub>	0,9 %
MgO	0,3 %
CaO	0,1 %

## PHYSICAL PROPERTIES

specific weight	approx. 4,0	g/cm <sup>3</sup>
bulk density	approx. 1,4-1,8	g/cm <sup>3</sup>
Mohs hardness	approx.	8-9
particle shape	edged	

## SIZES

- 0,06 – 0,125 mm
- 0,125 – 0,25 mm
- 0,25 – 0,50 mm
- 0,50 – 1,00 mm
- 0,50 – 2,00 mm
- 1,00 – 2,00 mm

Macro grain sizes according to Fepa between F10 (1.680-2.380 µm) and F220 (44-74 µm)

Micro grain sizes according to Fepa between F240 (17-62 µm) and F1.000 (1-10 µm)

## PACKAGING

- > 25 kg paper bags on pallets of 1.000 kg
- > Big Bags of 1.000 kg

## USE

Use as non-disposable abrasive in mobile and stationary compressed air systems.

High service life due to hardness and viscosity. High specific weight ensures high stock removal rate and surface roughness. Lower dust dry blasting than, when using expendable abrasives. Appropriate for blasting work on high-alloy steel, special steel, non-ferrous metals and wood due to no iron content.

Surface preparation.

Sectors: Corrosion protection, vehicle construction, shipbuilding industry