



Fused aluminium oxide abrasive

<b>Designation:</b>	<b>AbraCor®</b> fused aluminium oxide abrasive N/FA-A	
<b>Quality:</b>	In accordance with ISO 11126-7. Synthetic electric corundum.  Sharp-edged shape. The production is subjected to accurate control according to ISO 9000 and continuous examination.	
<b>Origin:</b>	<b>AbraCor®</b> is obtained by melting from bauxite/ alumina, crushing and sieving in particle size distribution required.	
<b>Properties:</b>	<b>AbraCor®</b> absorbs no water. Fines, superfines and any foreign matters are purposeful withdrawn. The single abrasive particle retains its extreme hardness also during multiple use. Dust reduced. Chemically indifferent and water-insoluble. No free metallic constituents. Electrically non-conductive.  Typical radioactive elements not detectable by gamma ray spectrometer.	
<b>Melting point:</b>	about 1950 °C	
<b>Hardness:</b>	Mohs hardness > 9	
<b>Densities:</b>	Apparent density, determined by using vacuum	approx. 3,9 g/cm <sup>3</sup>
	Bulk density for medium particle size range	approx. 1,8 g/cm <sup>3</sup>
<b>Chemical analysis:</b> (Approximate Values)	Al <sub>2</sub> O <sub>3</sub>	> 94,0%
	Fe <sub>2</sub> O <sub>3</sub>	< 0,2%
<b>Free silica:</b>	Not detectable.	
<b>Health and Safety regulations:</b>	All legal regulations are complied with. The respective limits remain under those laid down in BGR 500 Kap. 2.2 respectively. (EC Law) No specific regulations regarding storage in the state of delivery are to be observed.	
<b>Applicability:</b>	Suitable for applications within the field of surface treatment on almost all types of surfaces, for example: <ul style="list-style-type: none"> <li>• descaling, cleaning, deburring and roughing of all metallic surfaces</li> <li>• shipbuilding, machinery, rail car building, carriage and aircraft construction, boiler construction, in particular for antimagnetic and special steel</li> <li>• in the construction and maintenance/cleaning of tanks/ boilers</li> </ul>	

Please contact us for more information:

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- erection/ construction of reactors and power plants
- non-ferrous-metals like Aluminium light alloy
- avoidance of rusty spots
- for the treatment of facade linings ( matting and engraving )
- in the glass industry and mirror manufactures for matting of mirror plates

**Standard particle sizes:** As per ISO 11126-7, table 1, particle size distribution and/ or in accordance with FEPA sizes.  
Additional particle sizes on request.

**Forms of supply:** Packed ready for use in multiply vented paper bags each of 25 kg gross for net on pallets, shrink-wrapped. Other packaging and lose, unpacked delivery on request.  
Supply from our production plant, located next to the seaport of Hamburg, and directly linked with major motorways to all destinations.

**Blast-cleaning technique particle size range selection:** Special attention to be called on the enormous hardness as guarantor for and long lasting applicability. Limitations of air pressure are to be observed. **AbraCor®** is completely free from elementary metals and can therefore be used on almost all types of surfaces.  
The particle size distribution is to be determined by the user, depending on the individual blast-cleaning purpose and the condition of the surface to be blast-cleaned. The choice of the particle size also depends on the diameter of the nozzle and other values, for example the specified surface profile (roughness).  
In principle the correct abrasive particle size distribution is available for each possible blast-cleaning purpose, and can be delivered on short notice. Due to its physical properties **AbraCor®** is suitable for multiple use.

**Notes:** Due to its physical properties **AbraCor®** is suitable for multiple use.

How often an utilization step can be repeated depends on the application, air pressure and recycling conditions given in the individual case as well as further variable practice circumstances.

**Waste management:** **AbraCor®** abrasive will be taken back by us against payment after prescribed use, as a blast-cleaning waste for utilization in accordance with the German Kreislaufwirtschafts- und Abfallgesetz ( Business cycle and waste law) from 1994-09-27.Procedures are approved by authorities.

**Remark:** Please note that all statements made on **AbraCor®** are only valid during its original condition.

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