



## Specification – Alusilica

Our aluminium fluoride production process generates silicon dioxide ( $\text{SiO}_2$ ). Main application today is as fluorine absorbent in the phosphoric acid industry for the production of fluorosilicic acid. Silicon dioxide is also used in other applications in the chemical and mineral industry – such as for improving properties in cement.

<b>Typical Analysis</b> (dry sample)	$\text{SiO}_2$	85 %
	Al	2 %
	F	5 %
	LOI	Rest
By delivery the products contains 25–30 % moisture		
<b>Bulk density</b> (typical)	By filling	300 kg/m <sup>3</sup>
	By shaking	500 kg/m <sup>3</sup>
<b>Sieve analysis</b> (typical)	>50 $\mu\text{m}$	5 %
	5–50 $\mu\text{m}$	90 %
	< 5 $\mu\text{m}$	5 %
<b>Other properties</b>	Alusilica is a synthetic, amorphous and dustless silicon dioxide.	
Colour:	white	
pH:	2.5–4 (25 % water mix)	
Angle of repose by filling:	40°	

**aluf fluor**  
HIGHER EFFICIENCY, LOWER IMPACT SINCE 1973

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