

## MATERIAL SPECIFICATION

Producer: HOFFMANN MINERAL GmbH  
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Commercial product name: **AKTISIL PF 216**

Chemical analysis: SiO<sub>2</sub> – Al<sub>2</sub> [(OH)<sub>4</sub>Si<sub>2</sub>O<sub>5</sub>] mixture  
 silica kaolinite  
 SILLITIN Z 86 coated with Tetrasulfane silane

Delivery form: Powder

Storage stability: minimum 2 years

Characteristics	Test method	Based on	Specification
Brightness Y	UGR-PV/PT 69	DIN 53 163	78.5 – 84.0
Residue > 40 µm	UGR-PV/PT 43	DIN ISO 787 part 18	≤ 100 [mg/kg]
> 200 µm			≤ 20 [mg/kg]
Volatile matter at 105 °C RT 20°C / RH 50 %	UGR-PV/PT 41	DIN ISO 787 part 2	≤ 0.8 [%]
Water content (Karl Fischer)	UGR-PV/PT 48	DIN 51 777	≤ 0.6 [%]
Concentration of additive	Mass balance		2.0 [%]
Water absorption (Baumann)	UGR-PV/PT 42		≤ 0.1 [%]
Air-jet screening method	UGR-PV/PT 84	DIN EN ISO 4610	≤ 0.3 [%]

Issued by:

QA / Dirk Schröder

Approved by:

Head of R&D, QM / Dr. Christian Seeger

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