

MATERIAL SPECIFICATION

Producer: HOFFMANN MINERAL GmbH & Co. KG
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Commercial product name: **AKTISIL EM**

Chemical analysis: SiO₂ – Al₂ [(OH)₄Si₂O₅] mixture
 silica kaolinite
 SILLITIN Z 86 coated with 3-epoxypropyloxypropyltrimethoxy silane

Delivery form: Powder

Storage stability: minimum 2 years

Characteristics	Test method	Based on	Specification
Brightness Y	UGR-PV/PT 69	DIN 53 163	80.0 – 84.0
Residue > 40 µm > 200 µm	UGR-PV/PT 43	DIN ISO 787 part 18	≤ 100 [mg/kg] ≤ 20 [mg/kg]
Volatile matter at 105 °C RT 20°C / RH 50 %	UGR-PV/PT 41	DIN ISO 787 part 2	≤ 1.3 [%]
Water content (Karl Fischer)	UGR-PV/PT 48	DIN 51 777	≤ 0.7 [%]
Concentration of additive	Mass balance		1.1 [%]
Air-jet screening method	UGR-PV/PT 84	DIN EN ISO 4610	≤ 0.3 [%]

Issued by:	Approved by:
QA / Dirk Schröder	Head of R&D, QM / Dr. Christian Seeger

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