

## MATERIAL SPECIFICATION

Producer: HOFFMANN MINERAL GmbH  
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Commercial product name: **SILLITIN N 85**

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

Delivery form: Powder

Storage stability: unlimited

Characteristics	Test method	Based on	Specification
Brightness Y	UGR-PV/PT/69	DIN 53 163	79.0 – 83.5
Residue > 40 µm > 200 µm	UGR-PV/PT/43	DIN EN ISO 787 part 18	≤ 60 [mg/kg] ≤ 10 [mg/kg]
pH-value	UGR-PV/PT/61	DIN EN ISO 787 part 9	7.0 – 9.2
Volatile matter at 105 °C RT 20°C / RH 50 %	UGR-PV/PT/41	DIN EN ISO 787 part 2	≤ 0.8 [%]
Electrical conductivity	UGR-PV/PT/57	DIN EN ISO 787 part 14	≤ 100 [µS/cm]
Particle size distribution d <sub>50</sub> d <sub>97</sub>	UGR-PV/PT/72	ISO 13320	≤ 4.3 [µm] ≤ 22.0 [µm]
Air-jet screening method	UGR-PV/PT/84	DIN EN ISO 4610	≤ 0.3 [%]

Contact person:



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Approved by:



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