

Specialty filler

AEROSIL® OX 50

DESCRIPTION

AEROSIL® OX 50 is a hydrophilic fumed silica with a very low specific surface area of 50 m²/g.

KEY BENEFITS

- improves scratch resistance
- especially developed for UV-curing systems
- low influence on rheology of the coating
- easy to incorporate

GRAPHICAL BAR

Scratch- and abrasion resistance



SUITABILITY

radiation-curing	100% system
polyurethane	epoxy resins
polyester resins	

● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- Radiation-curing coatings
- Wood UV-coatings
- Parquet coatings
- Overprint varnishes
- Plastic UV-coatings
- Metal UV-coatings

TECHNICAL DATA

appearance	white solid
delivery form	free-flowing powder
loss on drying	max. 1.5 %
pH-value	3.8 - 4.8
SiO ₂ content	min. 99.8 %
specific surface area (BET)	35 - 65 m ² /g
tamped density	Approx. 100 g/l

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 2.5 - 10.0 %

PROCESSING INSTRUCTIONS

Addition to the coating as supplied.

HANDLING & STORAGE

When stored in an original unopened packaging, the product has a shelf life of 24 months from the date of manufacture. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances.

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