Specialty filler

AEROSIL® OX 50

DESCRIPTION

AEROSIL® OX 50 is a hydrophilic fumed silica with a very low specific surface area of 50 m^2/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

The product is supplied in multiple layer 15 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. The product should be used within 2 years after production.

MSDS & REGULATORY INFORMATION

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