

AEROSIL® R 974 W

DESCRIPTION

AEROSIL® R 974 W is a hydrophobic fumed silica after-treated with DDS (dimethyldichlorosilane) based on a hydrophilic fumed silica with a specific surface area of 200 m²/g. The product thickening efficiency of AEROSIL® R 974 W is consistent with the Waterford-produced AEROSIL® R 974. This profile is different than the thickening profile of standard AEROSIL® R 974 quality produced in Rheinfelden.

KEY BENEFITS

- universally applicable
- sufficient dispersability
- good transparency

EFFECT

Anti-settling



Anti-sagging



Corrosion resistance



SUITABILITY

waterborne



solventborne



radiation-curing



1-pack coatings



2-pack coatings



● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- General industrial coatings
- Coil coatings
- Car OEM coatings
- Plastic coatings

TECHNICAL DATA

carbon content	0.7 - 1.3 %
loss on drying	<0.5 %
pH-value	3.7 - 4.7
SiO ₂ content	>99.8 %
specific surface area (BET)	150 - 190 m ² /g
tamped density	Approx. 50 g/l

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 1.0 - 2.0 %

PROCESSING INSTRUCTIONS

Addition to the coating as supplied or as a predilution is possible.

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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