Silica-based rheology control additive

AEROSIL® E 972

DESCRIPTION

AEROSIL® E 972 is a fumed silica after-treated with DDS (dimethyldichlorosilane). It is a very efficient rheology modifier, suitable for a broad range of applications. It is very easy to disperse.

KEY BENEFITS

- easy-to-disperse i.e. incorporation by dissolver is sufficient
- good dispersability
- universal application
- standard recommendation

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

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

TECHNICAL DATA

carbon content	0.4 - 1.4 %
delivery form	free-flowing powder
loss on drying	<1.0 %
pH-value	3.5 - 5.5
SiO_2 content	>99.8 %
specific surface area (BET)	85 - 135 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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