

DESCRIPTION

AEROSIL® E 812 is a fumed silica post-treated with an organosilane (HMDS). It has a high specific surface area combined with exceptional hydrophobicity. It is very easy to disperse.

KEY BENEFITS

- easy-to-disperse i.e. incorporation by dissolver is sufficient
- excellent rheology effect
- highly efficient
- high transparency therefore especially recommended for automotive clear coats
- highly recommended for 2K PU

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
- Car OEM coatings
- Marine & Protective coatings
- Powder coatings
- Wood coatings

TECHNICAL DATA

carbon content	2.0 - 3.0 %
loss on drying	<0.5 %
pH-value	5.5 - 8.0
SiO₂ content	>99.8 %
specific surface area (BET)	230 - 290 m ² /g
tamped density	Approx. 60 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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