

AEROSIL® R 812

DESCRIPTION

AEROSIL® R 812 is a fumed silica after-treated with organosilane (HDMS) with high specific surface and marked hydrophobia.

KEY BENEFITS

- highly efficient
- high transparency therefore especially recommended for automotive clear coats
- highly recommended for 2K PU

EFFECT

Antisettling



Antisagging



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 coatings

TECHNICAL DATA

carbon content	2.0 - 3.0 %
loss on drying	<0.5 %
pH-value	5.5 - 8.0
SiO ₂ 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

The product is supplied in multiple layer 10 kg paper 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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