Silica-based rheology control additive
AEROSIL® R 816

DESCRIPTION
AEROSIL® R 816 is a fumed silica after-treated with hexadecylsilane.

KEY BENEFITS
- especially developed for WBC
- weakly hydrophobic
- good incorporation to WBC

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

TECHNICAL DATA
- carbon content: 0.9 - 1.8 %
- loss on drying: <1.0 %
- pH-value: 4.0 - 5.5
- SiO₂ content: >99.8 %
- specific surface area (BET): 170 - 210 m²/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

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability on our part, including with respect to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Resource Efficiency GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | www.coating-additives.com