

**AEROSIL® R 812 S****DESCRIPTION**

AEROSIL® R 812 S is a fumed silica post-treated with organosilane (HMDS) and a high specific surface area combined with extraordinary hydrophobicity.

**KEY BENEFITS**

- 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 coatings

**TECHNICAL DATA**

<b>carbon content</b>	3.0 - 4.0 %
<b>loss on drying</b>	<0.5 %
<b>pH-value</b>	5.5 - 9.0
<b>SiO<sub>2</sub> content</b>	>99.8 %
<b>specific surface area (BET)</b>	195 - 245 m <sup>2</sup> /g
<b>tamped density</b>	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 or other legal responsibility on our part, including with regard 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 Operations GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | [www.coating-additives.com](http://www.coating-additives.com)