Silica-based rheology control additive

**AEROSIL® R 972 V**

**DESCRIPTION**
AEROSIL® R 972 V is a densified hydrophobic fumed silica, aftertreated with DDS (Dimethyldichlorosilane). Due to the densification it shows a weaker rheological effect than AEROSIL® R 972.

**KEY BENEFITS**
- standard recommendation
- universally applicable
- good dispersability

**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
- Coil coatings
- Car OEM coatings
- Powder coatings

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>carbon content</td>
<td>0.6 - 1.2 %</td>
</tr>
<tr>
<td>loss on drying</td>
<td>&lt;0.5 %</td>
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<tr>
<td>pH-value</td>
<td>3.6 - 5.5</td>
</tr>
<tr>
<td>SiO₂ content</td>
<td>&gt;99.8 %</td>
</tr>
<tr>
<td>specific surface area (BET)</td>
<td>90 - 130 m²/g</td>
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<tr>
<td>tamped density</td>
<td>Approx 50 g/l</td>
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</tbody>
</table>

**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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