Silica-based rheology control additive

AEROSIL® R 972

DESCRIPTION
AEROSIL® R 972 is a fumed silica after-treated with DDS (dimethyldichlorosilane). It is easy to disperse and suitable for a broad range of applications.

KEY BENEFITS
- standard recommendation
- universally applicable
- good dispersability

EFFECT
- Antisettling
- Antisagging
- Corrosion resistance

TYPICAL APPLICATIONS
- General industrial coatings
- Coil coatings
- Car OEM coatings
- Powder coatings

SUITABILITY
- waterborne
- solventborne
- radiation-curing
- 1-pack coatings
- 2-pack coatings

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.

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>
</tr>
<tr>
<td>tamped density</td>
<td>Approx 50 g/l</td>
</tr>
</tbody>
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MSDS & REGULATORY INFORMATION

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