**DESCRIPTION**

- SPHERILEX® DP-0115 is a precipitated amorphous (crystalline-free) silica with uniquely spherical particle shape and very narrow particle size distribution.
- SPHERILEX® products are available with different particle sizes, but all grades are based on a new patented synthesis process that directly controls particle morphology during the precipitation step. As a result, this new range of silica products provides a unique balance of performance benefits.
- SPHERILEX® DP-0115 represents the largest particle size within the SPHERILEX® family of silicas. It provides the maximum resistance to burnishing, especially in thicker film applications or systems containing higher loadings of other fillers. Depending on the formulation, SPHERILEX® DP-0115 often shows some degree of matting effect.

**KEY BENEFITS**

- Maximum burnish resistance
- Optimum washability and scrub resistance
- Very low binder demand
- Low viscosity at high loading levels
- Very low water/solvent demand in the grind process

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivery form</td>
<td>Free-flowing powder</td>
</tr>
<tr>
<td>DOA absorption</td>
<td>45 ml/100g</td>
</tr>
<tr>
<td>Loss on drying</td>
<td>5%</td>
</tr>
<tr>
<td>Particle size, d50</td>
<td>15 µm</td>
</tr>
<tr>
<td>Particle size, d95</td>
<td>24 µm</td>
</tr>
<tr>
<td>pH value, 5% in water</td>
<td>7.5</td>
</tr>
<tr>
<td>Sodium sulfate content</td>
<td>&lt;1.0%</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>2.0 g/cm³</td>
</tr>
<tr>
<td>Specific surface area (N₂)</td>
<td>6 m²/g</td>
</tr>
</tbody>
</table>

**RECOMMENDED ADDITION LEVEL**

As supplied calculated on pigment: 15 - 25 %
As supplied calculated on total formulation: 3 - 10 wt-%

**PROCESSING INSTRUCTIONS**

It is recommended that this product be added, as supplied, to the grind.

**HANDLING & STORAGE**

24 months when stored in original unopened package in clean, dry conditions. Evonik silica products are inert and extremely stable, chemically. SPHERILEX® silicas have very low surface area, however, precipitated silica can absorb moisture and volatile organic compounds from the surrounding atmosphere. Therefore, we recommend storage in original sealed packaging in a dry, cool place and removed from volatile organic substances. Even if a product is stored under these conditions, over periods of time the material may still pick up enough moisture to exceed the moisture content that is specified “as packaged” or at the time of packaging.

**TYPICAL APPLICATIONS**

- Architectural paints
- Decorative coatings
- Floor coatings
- Wood coatings

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