ImerSilk™ from Imerys has the optimal property profile for use in semi-gloss, silk and satin decorative paints, allowing cost reduction through titanium dioxide and resin extension.

The fine platy particles in ImerSilk™ give high opacity in decorative paints formulated below the critical pigment volume concentration (CPVC), while at the same time having only a minimal effect on coating gloss. This can permit up to 15% titanium dioxide saving in semi-gloss, silk and satin paints.

**Attributes**
- Reduces formulation cost
- Extends titanium dioxide
- Excellent opacity
- Resin extension possible
- Low gloss reduction
- Additional thixotropic effect
- Good colour properties
- Easy to disperse in water-based paints
ImerSilk™

A natural china clay product with low carbon footprint.

The 0.4µm average particle size of ImerSilk™ is perfect for providing spacing between titanium dioxide particles, which tend to agglomerate as all particles do naturally. This leads to a reduction in TiO₂ efficiency, especially in paints with high TiO₂ content such as decorative semi-gloss, silk and satin finishes.

The fine particle size also ensures that only minimal gloss reduction occurs, making ImerSilk™ the formulator’s choice for these intermediate gloss finishes.

Additional benefits can be achieved in some formulations through resin extension, and in common with most platy extenders, ImerSilk™ will also provide some low shear thickening effect.

PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Brightness (ISO R457)</th>
<th>Mean particle size (d₅₀ µm) (sedimentation)</th>
<th>Mean particle size (d₅₀ µm) (laser diffraction)</th>
<th>Refractive index</th>
<th>Specific gravity</th>
<th>Oil absorption (g/100g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ImerSilk™</td>
<td>87</td>
<td>0.4</td>
<td>1.0</td>
<td>1.56</td>
<td>2.6</td>
<td>42</td>
</tr>
</tbody>
</table>

All technical data is provided for information only. It does not constitute a specification. Specifications are available on request.

FOR MORE INFORMATION

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