**PoleStar™**

High performance titanium dioxide extenders for decorative matt paints

**PoleStar™** calcined kaolin aluminium silicate extenders from Imerys allow reduction of the titanium dioxide content in high PVC decorative matt paints, without loss of opacity or hiding power.

This translates to savings in raw material costs for the paint manufacturer.

**ATTRIBUTES**

- Titanium dioxide extension
- Reduces total raw material costs
- For high PVC interior matt wall paints
- Excellent opacity and hiding power
- High brightness, low yellowness
- For cost-effective decorative coatings
- Based on a natural aluminium silicate mineral
Calcined kaolin products are made from natural raw materials.

The calcination process transforms platy natural kaolin, a natural aluminium silicate, into a highly structured particle that is ideal for improving coating opacity.

It is particularly effective in high PVC decorative matt paints. The structure of the particle increases and optimises refraction and diffraction of light passing through the coating.

This improves the light scattering properties, reducing the interaction of light with the substrate beneath.

**PHYSICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Brightness (ISO R457)</th>
<th>Mean particle size (microns, sedigraph)</th>
<th>Oil absorption (g/100g)</th>
<th>Specific gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PoleStar™ 200P</td>
<td>90</td>
<td>2.0</td>
<td>50</td>
<td>2.6</td>
</tr>
<tr>
<td>PoleStar™ 400</td>
<td>90.5</td>
<td>0.6</td>
<td>72</td>
<td>2.6</td>
</tr>
</tbody>
</table>

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