**Substrate wetting additive**

**TEGO® Twin 4000**

**DESCRIPTION**
As a siloxane-based gemini surfactant, TEGO® Twin 4000 combines substrate wetting with good defoaming. It is very effective and suitable for a broad range of coatings.

**KEY BENEFITS**
- outstanding effectiveness
- excellent crater prevention and elimination
- suitable for waterborne, solventborne, and UV coatings

**EFFECT**

- Substrate wetting
- Anti-crater effect
- Flow promotion
- Defoaming
- Reduction of static surface tension
- Reduction of dynamic surface tension

**SUATION**

<table>
<thead>
<tr>
<th>Waterborne</th>
<th>Solventborne</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-pack 100%</td>
<td>Radiation-curing</td>
</tr>
<tr>
<td>Pigmented coatings</td>
<td>Clear coatings</td>
</tr>
</tbody>
</table>

- not suitable
- partly suitable
- suitable

**TYPICAL APPLICATIONS**
- Printing Inks
- Wood coatings
- General industrial coatings
- Architectural paints

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>active matter content</th>
<th>100 %</th>
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</thead>
<tbody>
<tr>
<td>appearance</td>
<td>colored slightly hazy liquid</td>
</tr>
<tr>
<td>chemical description</td>
<td>siloxane-based gemini surfactant</td>
</tr>
</tbody>
</table>

**SOLUBILITY**

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Water</th>
<th>Ethanol</th>
<th>TPGDA</th>
<th>Acetone</th>
<th>Butylacetate</th>
<th>Mineral Spirits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solubility</td>
<td>⬤</td>
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**RECOMMENDED ADDITION LEVEL**
As supplied calculated on total formulation: 0.05 - 0.5 %

**PROCESSING INSTRUCTIONS**
- Addition to the coating as supplied or as a predilution is possible.
- Add TEGO® Twin 4000 before any defoamer, flow, and/or substrate wetting additive. Check foam, wetting, and compatibility. Only add further additives if necessary.

**HANDLING & STORAGE**
When stored in an original unopened packaging between +4 and +40 °C, the product has a shelf life of at least 24 months from the date of manufacture.

**MSDS & REGULATORY INFORMATION**

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