### Chemical Composition
Organically modified polysiloxane for aqueous systems.

### Product general description
Silicone-based leveling and anti-crater agent for aqueous coatings that does not influence intercoat adhesion.

### Product Properties
AFCONA-3580 is an organically modified polysiloxane with very short chain repeatable units of siloxane. These small molecules allow it to move very quickly to an area of defects. This offers very good anti-crater properties without causing intercoat adhesion problems.

AFCONA – 3580 is widely used in electroplating and electrodeposition coatings to prevent crater formation. It also offers good leveling and a smooth appearance in the finished coating. It is not itself an ionic structure; it may be used in anionic and cationic systems.

AFCONA-3580 gives the following advantages:
1. excellent anti-crater behavior
2. improved leveling
3. better substrate wetting
4. no intercoat adhesion problems
5. little or no foam stabilization

Note: Due to its small molecules, the slip performance of AFCONA-3580 is reduced.

AFCONA-3580 is recommended for use in all types of waterbased coatings with a pH range of 4 - 10.

### Product specification

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Active ingredients</td>
<td>≥95%</td>
</tr>
<tr>
<td>Density at 20 °C</td>
<td>1.09 - 1.13 g/cm³</td>
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<tr>
<td>Refractive index</td>
<td>1.456 - 1.466</td>
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<tr>
<td>Color</td>
<td>max.3</td>
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<tr>
<td>Appearance</td>
<td>transparent to slightly yellowish liquid</td>
</tr>
</tbody>
</table>

### Addition and dosage
AFCONA-3580 may be added at 0.1 - 1.0% based on total formulation. Under normal conditions, 0.1 – 0.3% based on total formulation is sufficient.

### Incorporation
AFCONA-3580 should be added prior to, or after, processing.

### Storage
AFCONA-3580 should be stored in a cool, dry place. When kept in its original, unopened container, it will keep up to 3 years from the date of manufacture. The expiration date is indicated on the container.

### Packaging
55 lb and 397 lb non-returnable containers