Chemical Composition
Special organically modified polysiloxane

Product general description
Special modified polysiloxane designed to offer slip, defoaming and improvement of surface characteristics without hurting intercoat adhesion

Product Properties
AFCONA-3280 is a special modified polysiloxane which is soluble in aliphatic and aromatic hydrocarbons, esters and ketones, but insoluble in water. This product does not cause intercoat adhesion problems, even without sanding between coats. Due to its particular modification, AFCONA-3280 offers even better hot water resistance than other polyether modified polysiloxanes.

AFCONA-3280 offers the following improvements to the general surface characteristics of the coating:
1) improved leveling and surface smoothness
2) moderate slip performance
3) no intercoat adhesion problems, even without sanding between coats
4) reduced formation of inner bubbles in PU coatings (this product acts as a defoamer and de-aerator)
5) reduced formation of Bénard cells

AFCONA – 3280 is recommended for the following coating systems:
1) heat-cured enamels based on alkyd-, acrylic- or polyester resins
2) acid curing and PU wood coatings, especially those applied by dipping or curtain coating, as well as those used on highly porous wood substrates
3) self-levelling epoxy flooring compounds
4) UV-curing inks and coatings

Product specification
<table>
<thead>
<tr>
<th>Active ingredients</th>
<th>≥ 96%</th>
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<tbody>
<tr>
<td>Solid Content</td>
<td>≥ 86%</td>
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<tr>
<td>Density at 20 °C</td>
<td>0.89 - 0.92 g/cm³</td>
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<tr>
<td>Refractive index</td>
<td>1.425 - 1.435</td>
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<tr>
<td>Flashpoint</td>
<td>100°C</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>
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Addition and dosage
AFCONA-3280 may be added at 0.05 – 0.50% based on total formulation. Under normal conditions, 0.05 – 0.2% based on total formulation is sufficient.

Incorporation
AFCONA-3280 may be added at any stage of the production process. However, this product’s defoaming properties require high shear force if it is added in the letdown stage. For easier incorporation, dilute to 10% in any solvent/s.

Storage
AFCONA-3280 should be stored in a cool, dry place. When kept in its original, unopened container, it will keep up to 5 years from the date of manufacture. The expiration date is indicated on the container.

Packaging
55 lb and 397 lb non-returnable containers