Chemical Composition
Organically modified polyether polysiloxane

Product general description
Slip and levelling additive used primarily in metal and UV coatings

Product Properties
AFCONA-3031 is a polyether modified polysiloxane that offers very good slip performance. The slip characteristic is “oily” or “wet look” appearance, which can visually enhance film thickness. AFCONA – 3031 is normally used in metal coatings, such as industrial heat-cured systems, car refinish polyurethane clear topcoats, and other vehicle paint.

AFCONA – 3031 is also widely used in UV coatings due to its good levelling and slip performance. However, it does not contain any reactive functional groups that can cross-link with UV resin systems.

Due to its high surface activity, AFCONA-3031 may interfere with adhesion if recoated without sanding. If air is introduced by the application equipment, we recommend the use of small amounts of a defoamer such as AFCONA-2020 or AFCONA-2022.

AFCONA – 3031 is recommended for:

1) 2K polyurethane, in which it gives low sensitivity to inner bubbles.
2) Industrial heat-cured systems where baking temperature is below 170ºC.
3) UV coatings, where it has a reduced foam stabilizing effect and good compatibility.

Product specification

<table>
<thead>
<tr>
<th>Active ingredients</th>
<th>50 – 54%</th>
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<tbody>
<tr>
<td>Solvents</td>
<td>Alkylbenzene</td>
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<tr>
<td>Density at 20 ºC</td>
<td>0.92 - 0.94 g/cm³</td>
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<tr>
<td>Refractive index</td>
<td>1.464 - 1.474</td>
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<tr>
<td>Flashpoint</td>
<td>40 ºC</td>
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<tr>
<td>Appearance</td>
<td>transparent to slightly yellowish liquid</td>
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Addition and dosage
Add AFCONA-3031 at 0.1 - 1.0% based on total formulation. Under normal conditions, 0.1 – 0.3% based on total formulation is sufficient.

Incorporation
AFCONA-3031 may be added at any stage of the manufacturing process.

Storage
AFCONA-3031 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

distributed by: