Film enhancer

**TEGO® VariPlus 1201 TF**

**DESCRIPTION**

TEGO® VariPlus 1201 TF strongly improves mechanical properties of solventborne inks and coatings. It enhances gloss, blocking resistance, and adhesion on many substrates.

**KEY BENEFITS**

- very good adhesion on plastics
- improves gloss, hardness, blocking resistance
- high light and heat resistance

**EFFECT**

- Hardness
- Gloss
- Viscosity reduction / increase of solids content
- Pigment wetting and stabilization
- Adhesion improvement (e.g. metal, plastics)

**SUITABILITY**

- waterborne
- solventborne
- radiation-curing
- pigmented coatings
- clear coatings

**TYPICAL APPLICATIONS**

- Printing Inks
- Pigment concentrates
- Plastic coatings
- Wood coatings

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>active matter content</td>
<td>approx. 49 %</td>
</tr>
<tr>
<td>appearance</td>
<td>clear liquid</td>
</tr>
<tr>
<td>chemical description</td>
<td>polyurethane polyol resin</td>
</tr>
<tr>
<td>glass transition temperature</td>
<td>Approx 130 °C</td>
</tr>
<tr>
<td>hydroxy value (calculated on non-volatile content)</td>
<td>Approx 200 mg KOH/g</td>
</tr>
<tr>
<td>solvent</td>
<td>ethyl acetate</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>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>not soluble</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>partly soluble</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>soluble</td>
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</tbody>
</table>

**RECOMMENDED ADDITION LEVEL**

As supplied on total formula weight: 5 - 20 %

**PROCESSING INSTRUCTIONS**

- Addition to the coating as supplied.
- Addition to the grind or during the let-down is possible.

**HANDLING & STORAGE**

When stored in an original unopened packaging between -10 and +30 °C, the product has a shelf life of at least 36 months from the date of manufacture.

**MSDS & REGULATORY INFORMATION**

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