**DESCRIPTION**

NANOCRYL® C 153-10 shows the highest performance in scratch- and abrasion-resistance without influencing the gloss or transparency of the cured UV-coating.

**KEY BENEFITS**
- highest scratch- and abrasion-resistance
- suitable for all gloss levels
- totally transparent

**EFFECT**

- Scratch- and abrasion resistance
- No decrease of gloss & transparency
- Barrier effect
- Flexibility
- Reduction on cure shrinkage
- Adhesion on glass/aluminium

**SUITABILITY**

- waterborne
- solventborne
- 2-pack 100% radiation-curing
- not suitable
- partly suitable
- suitable

**TYPICAL APPLICATIONS**

- Metal UV-coatings
- Plastic UV-coatings
- Glass UV-coatings
- Wood UV-coatings

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>active matter content</th>
<th>50 wt-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>appearance</td>
<td>clear</td>
</tr>
<tr>
<td>base resin</td>
<td>ethoxylated trimethylolpropanetriacrylate (TMPEOTA)</td>
</tr>
<tr>
<td>chemical description</td>
<td>50 wt.-% 20 nm nano silica particles in ethoxylated trimethylolpropanetriacrylate (TMPEOTA)</td>
</tr>
<tr>
<td>solvent</td>
<td>-</td>
</tr>
<tr>
<td>viscosity at 25 °C</td>
<td>Approx 1000 mPas</td>
</tr>
</tbody>
</table>

**RECOMMENDED ADDITION LEVEL**

As supplied calculated on total formulation: 10 - 20 %

**PROCESSING INSTRUCTIONS**

Addition in delivery form after the grinding stage under stirring for homogenisation.

**HANDLING & STORAGE**

When stored in an original unopened packaging between +4 and +40 °C, the product has a shelf life of at least 12 months from the date of manufacture.

**MSDS & REGULATORY INFORMATION**

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