

**DESCRIPTION**

NANOCRYL® C 140 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**

|                              |   |
|------------------------------|---|
| <b>active matter content</b> | 50 wt-%   |
| <b>appearance</b>            | clear   |
| <b>base resin</b>            | hexanedioldiacrylate (HDDA)   |
| <b>chemical description</b>  | 50 wt.-% 20 nm nano silica particles in hexanedioldiacrylate (HDDA) |
| <b>solvent</b>               | -   |
| <b>viscosity at 25 °C</b>    | Approx. 120 mPas  |

**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.
- Please test ingredients about compatibility.
- Haziness and solidification caused by low temperature is reversible. This does not affect the performance of the product.

**HANDLING & STORAGE**

When stored in an original unopened packaging, the product has a shelf life of 24 months from the date of manufacture.

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