Nanocomposite

NANOCRYL® C 130

DESCRIPTION

NANOCRYL® C 130 shows the highest performance in scratch- and abrasion-resistance without influencing 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

active matter content	50 wt-%
appearance	clear
base resin	trimethylolpropaneformalacrylate (CTFA)
chemical description	50 wt.-% 20 nm nano silica particles in cyclic trimethylolpropaneformalacrylate (CTFA)
solvent	-
viscosity at 25 °C	Approx. 250 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.

HANDLING & STORAGE

When stored in an original unopened packaging between +4 and +40 °C, the product has a shelf life of at least 18 months from the date of manufacture.

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