Nanocomposite

NANOPOX® C 620

DESCRIPTION

NANOPOX® C 620 shows the highest performance in scratch- and abrasion-resistance without influencing the gloss or transparency of the cured cationic 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

Cationic UV coatings

TECHNICAL DATA

active matter content	40 wt-%
appearance	clear to hazy liquid
base resin	cycloaliphatic epoxy resin (EEC)
chemical description	40 wt.-% 20 nm nano-silica particles in cycloaliphatic epoxy resin (EEC)
solvent	-
viscosity	Approx 3500 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.

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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