

**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**

<b>active matter content</b>	40 wt-%
<b>appearance</b>	clear to hazy liquid
<b>base resin</b>	cycloaliphatic epoxy resin (EEC)
<b>chemical description</b>	40 wt.-% 20 nm nano-silica particles in cycloaliphatic epoxy resin (EEC)
<b>solvent</b>	-
<b>viscosity</b>	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 12 months from the date of manufacture.

**MSDS & REGULATORY INFORMATION**

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | [www.coating-additives.com](http://www.coating-additives.com)