Technical Data Sheet

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TOP COAT NANO CERAMIC II

Product description:
NCII varnish is a high-quality colorless UV-resistant coating containing silicon nanoparticles, thanks to which it is characterized by very high scratch resistance, and at the same time thanks to the base, based on modern asparagine resins it is flexible and does not crack on working elements. The varnish is ideal for covering epoxy resins.
The kit includes three components;

NCII Composition A; Ceramic varnish based on asparagine and silicon resins.
NCII Composition B: Isocyanate-based hardener.
NCR: A special thinner to adjust the viscosity of the composition and to wash the tools.
The varnish is available in: gloss, matt, semi-matt

Warning!
Only the use of a dedicated thinner guarantees the desired effect.
Complaints about the product used with other thinners will be considered negatively!

Application:
Making transparent protective coatings on composites and epoxy castings with above average scratch and weather resistance.

Sample applications; Painting of composites and composite castings by spraying, gun nozzle 1.3 - 1.8. (Do not use airless spray!) Or roller, the correct flow is regulated with an NCR thinner.

Application:
The varnished surface should be dry and degreased, epoxy surfaces should be thoroughly matted with water paper P600 or finer.

Apply 2-3 coats approximately 3-4 hours apart without sanding. After exceeding this time, the coating should be left for 4 days and sanded with 240 grit paper.

Polishing is possible after 2 days, total hardness at room temperature is obtained after about 7 days, after this time the polishing is already very hard!

Recommended application temperature: 5°C - 25°C with humidity 45 - 60%.
The higher the temperature and humidity, the faster the mixture will cure.
Maximum working time 30 min.

Curing:
7 days at room temperature.
2h at 60 ° C

Mixing ratio:

Ratio	**NCII ingr. A**	**NCII ingr. B**	**NCR**
By weight	1 : 1 A : B	1 : 1 A : B	Max 20 %
By volume	1 : 1 A : B	1 : 1 A : B	Max 20 %

Attention! The mixing ratio must be strictly observed!
Changing the hardener ratio will not change the setting time, but it will cause incomplete hardening of the product, which is an irreversible condition!

Properties:
-NCII

	Unit	**NCII**
density	**g/cm³ (25°C)**	0,95 –1,05
Dry mass	**g/l (25°C)**	> 800
gloss*	**Gardner 60°**	> 90%
viscosity	**Ford Mug 4 (25°C) [s]**	Min. 70
hardness	**Persoz pendulum [s]**	320
Dust dryness	**min**	< 60
Recommended film thickness	**-**	0,49 – 0,54
Efficiency	**m²/ltr**	10 - 14 for 1 layer

***for gloss version**

Storage:
Products can be stored for at least 12 months in sealed containers.

Attention!
The above information contained in the card corresponds to the current state of our knowledge and experience and is given to describe the product from the point of view of safety requirements. They cannot be interpreted as a guarantee of its properties or quality specification. The user is obliged to check the suitability of the product for specific applications and to ensure a safe workplace and comply with all applicable legal regulations. This document does not imply any legal obligations towards the manufacturer and distributors. Changes due to technical progress are possible. If you have any doubts or questions please contact us and we will gladly provide all necessary information.