



NanoCure 2K

Product Description

NanoCure 2K is a high-performance, two-component polyaspartic varnish designed for superior UV resistance, rapid curing, and long-term durability. It delivers a crystal-clear, glossy finish with exceptional abrasion and chemical resistance, making it ideal for decorative and industrial flooring systems.

Product uses:

- Decorative concrete floors
- Parking decks and ramps
- Protection layer over ceramic
- Metallic and flake floor systems
- Industrial and commercial floors.
- Exterior concrete protection

Properties

- Fast curing even at low temperatures
- Excellent UV and weather resistance
- High gloss and color retention
- Superior abrasion and chemical resistance
- Low VOC, high solids formulation
- Non-yellowing, aliphatic system

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Glossy / Transparent
<i>Density:</i>	Approx. 1.1 kg/ltr
<i>Volume solids %:</i>	47 %
<i>Theoretical spreading rate:</i>	6.3 m ² /ltr / 5.75 m ² /kg (75 micron DFT)
<i>Recommended DFT:</i> <i>(Dry Film thickness)</i>	75-100 micron per coat
<i>(Shore D):</i>	75
<i>Surface dry:</i>	1-2 hours approx. hour(s) 23°C/73.4°F 50% R.H
<i>Recoating time</i>	2-4 hours (23°C and 50% R.H.)
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Full curing time:</i>	3-4 days (23°C and 50% R.H.)
<i>Application temperature:</i>	+8 °C/46.4° F and +35 °C/ 95°F
<i>Min. cure temperature:</i>	+10°C/50°F

Application Details

<i>Application method:</i>	Brush / Roll / Airless Spray / Air spray
<i>Mixing Ratio:</i>	1: 1 (By weight)
<i>Thinner:</i>	Do not thin the product
<i>Thinner Amount:</i>	0
<i>Pot Life:</i>	20–30 min at 25°C (ASTM D2471)



Surface Preparation:

Substrate must be clean, dry, and free of contaminants. Concrete must be cured for at least 28 days. Mechanical grinding or shot blasting is recommended.

PRECEDING COAT:

None

Application:

- Mix components thoroughly using a low-speed mixer.
- Apply using roller, squeegee, or airless spray.
- Avoid application under high humidity or direct sunlight.
- Do not dilute unless specified by manufacturer.

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- High temperatures lower the pot life of the product, while low temperatures extend cure time and consumption.
- Be careful about product mixing ratios.
- The surface should be protected from moisture and rain for 8-10 hours after application.
- All application tools and equipment should be cleaned with thinner immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above. Apply only on a dry and clean surface with a Temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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