



FC-100 Crystal Guard

Ultra nano-coating for planes and yachts

Metals top coat barrier for micro scratches, surface renewal, and easy cleaning

Description

Crystal Guard FC-100 is a very thin (10 micron) inorganic nanometric resin coating, which presents an innovative technology that combines a stable and hybrid cross-link structure of nanoparticles with high concentration and low viscosity noble polymers. This has a dramatic meaning in the visible result, and the physical properties provide a spectacularly strong and aesthetic finish.

FC-100 is a compound of 2 materials that use 100% solids, a light odor, and a low VOC equal to 0!:

This technology is designed, on the one hand, to protect and preserve a new surface for years and, on the other hand, to refresh and renew the surface appearance that has lost its initial beauty, thereby presenting a beautiful, new finish .

FC-100 is the best choice with significant advantages compared to any conventional coating in the market.

FC-100 is suitable for external or internal use and exhibits strong physical resistance, corrosion protection, anti-oxidation, improved hardness, micro scratches and abrasion resistance, excellent UV barrier, excellent solvent, and chemical resistance as well as resistance to water stains ,most spices, oils, sauces, acids, soot, anti-graffiti, anti-iceing and presents easy to cleaning effect with the SELF CLEANING feature in places that are difficult to clean and maintain.

FC-100 can be used underwater.

FC-100 can be used on almost all surfaces, lacquers, ferrous and non-ferrous metals such a silver, gold, stainless steel, copper, brass, aluminum , plastic, wood, anodized coatings, epoxy, synthetic or polyurethane paints, and more

FC-100 is available in 2 finishes: matte/satin and glossy

FC-100, after complete curing, is entirely inert and resistant to all typical household and industrial cleaners. (Please consult with the company before using industrial cleaning agents)

<u>Main characteristics</u>
** Excellent durability to corrosion, anti-oxidation ,wear and micro scratches
** Chemicals, alkali and stain resistant
** Spectacular finishing **

**** Very attractive cost per square meter!!**

Coverage

Up to 80 m²/ liter!! On non-absorbent surfaces, therefore offers excellent cost performance.



Instructions for use

Spread using the NANO COATING sponge (attached), brush, roller or spray equipment.

Clean the surface of dirt, oil and old coating and **dry thoroughly** (a hot air tool such as hair drier or an IR device may be used)

It is mandatory to clean again thoroughly and deeply with CW-101 made by NANO Z COATING and to dry well.

The product preparation is very important: mixing ratio: 10 parts of part A and 1 part of part B by volume (not by weight). It is recommended to prepare the whole supplied quantity in advance. The mixing ratio is critical.

- a. Shake well part A. Add liquid from part A to part B (into the small bottle) almost to the end of the bottle and shake well.
- b. Pour the whole mixture prepared in the small bottle (in part B) into part A (the large bottle) and mix well together for 30 seconds.

Apply one thin layer, about 10 microns in thickness and after 10 – 20 seconds polish gently, without applying pressure, with the special composition microfiber cloth (attached).

For special cases only, it is possible to apply a second layer, only after the first is dry to touch. (about two hours).

Any drips or leaks must be removed immediately.

Application temperature: 10 - 35°C

Drying time: to touch: 2 hours; for chemical resistance tests, 48 hours. Maximum durability after at least 2-3 weeks.

Workability time: after mixing, 2 – 3 hours depending on the environment temperature.

Worktop cleaning after application, under daily use: use a dump microfiber cloth only. There is no need for other materials, except for special cases when dish soap may be used. **Do not use steel wool or ScotchBrite.**

Packaging: 50 ml, 100 ml, 1 liter, gallon 3.8 liter *larger quantities are available on order.

Storage: in a covered place. Storage temperature. 3-30°C. In the original closed container, the product is valid for 12 months.

Warnings and remarks:

- Keep out of the reach of children, and away from fire and heat sources. Use the accepted protective measures. Read all the instructions and the MSDS.
- Do not apply under 10°C or above 35°, or when rain is expected during the following 72 hours.
- Apply in a ventilated place
- Prior to full application, test a small and hidden place.
- In case of swallowing or contact with eyes, wash with plenty of water and get immediate medical attention
- Remove clothing that absorbed the product and wash your body immediately with soap and water.

