



Technical data sheet

PROTECTION MADE EASY

Cryltane CF Finish



Description and destination of the product

Cryltane CF Finish is a two component polyurethane coating, based on hydroxy- acrylic and polyisocyanate resins.

Cryltane CF Finish is used for the protection and decoration of facades and walls on mineral substrates, such as concrete, (asbestos) cement, masonry, textile fibres, ...

Cryltane CF Finish systems are characterized by :

- high saponification resistance;
- high chemical resistance by which the substrate is protected in aggressive chemical environments;
- low permeability for carbon dioxide, sulphur dioxide and nitrogen oxide by which early corrosion of reinforcing steel (carbonatation) is prevented;
- very low water penetration, even by driving rain (water penetration coefficient $A=0.01 \text{ kg/m}^2 \cdot \text{h} \cdot 0.5$), but the water vapour permeability stays in accordance with the requirements of the building physics.
- Small adhering dirt (even at high temperatures); the coating can also easily be cleaned with (hot) water under high pressure or by steam cleaning.

Type of binder

Hydroxyacrylates and aliphatic polyisocyanates.

Type of pigment

Magnesium-aluminium silicates and outdoor resistant pigments, free from lead and chromate compounds.

Colour

All light and pastel colours (RAL, BS, NSC, TVT 600 and NOVA 2024 colour fan)

Gloss

Cryltane CF Finish has a satin gloss as standard except the colour Anthracite 721 which has a matt gloss (especially for the renovation of roof tiles).

Technical data

- **Density:** 1.3 to 1.4 g/cm³ (*)
- **Solids content:** 58 (± 3) % by volume (*)
- **Mixing ratio:** 6/1 in volume
Mixing errors result in deviating properties and differences in gloss. Therefore we advise to mix the complete contents of base paint and hardener.
- **Viscosity:** 55 (± 10) sec DIN 6
- **Potlife:** ± 6 hours at 20°C
- **Drying times:**

dustfree	:	30 minutes
tackfree	:	2 to 3 hours
dry	:	24 hours
maximum resistance	:	after 3 days
- **VOC:**

380 g/L (not diluted)
430 g/L (10 % diluted)
- **Theoretical yield:** 0.1 – 0.3 L/m² for 40 microns
The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.
(* *) depending on the colour

Surface preparation

The substrate must be fully cured and sufficiently dry (less than 5% humidity at the surface). In normal circumstances, the minimum waiting time for painting fresh concrete is 6 weeks.

All contaminations such as dirt, loose particles, mortar, laitance, etc. should be removed by washing or cleaning under high pressure.

Fungal or algal growth should be removed with **Fungex**. Corroded steel coming from the reinforcement iron and exposed reinforcement must be made free, derusted and treated with two layers of **Monoseal**.

Holes and deep pores must be filled with the mortar **Plastolit** after application and hardening of the impregnation coat.

The non-coated side of the substrate must be protected from possible causes of pressure build-up against the interface of the coating (wet soil, water immersion, run of water, etc..) Active joints must be sealed with an elastic one component PU joint-filler.

On non-coated or chalking substrates we advise to use **Cryltane CF Impregnation**.

Cryltane CF Finish can also be used as finishing coat on sound acrylic emulsion paints

Use

Mix base paint and hardener BN4 thoroughly (mixing ratio : 6/1 by volume).

A bad mixing proportion results in differences in gloss and deviating properties. Therefore, it is recommended to mix the complete content of the base paint and hardener.

Roller or brush	:	ready for use
Pneumatic pistol	:	5-10% Solvatane
Airless pistol	:	ready for use
Nozzle diameter	:	0.015"

Clean working tools with **Solvatane**.

In order to avoid problems of interlayer adherence, it is recommended to apply the following coat within

3 days. If this isn't possible, the previous coat has to be roughened up and cleaned before being painted.

Application conditions

Relative humidity should be between 30 and 90% on condition that no condensation occurs during application and drying. The temperature of the surface and the environment should be between 0 and +40°C.

Storage stability

For the base paint : minimum 2 years in the original, unopened packing, stored in a dry environment at temperatures between -10°C up to +40°C.
for the hardener : Minimum 18 months in the original, unopened packing, stored in a dry environment at temperatures between -10°C up to +40°C.

Safety measure

For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet.

The last update of our technical data sheets is always available at our website: www.libertpaints.be

Disclaimer

The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Libert Paints doesn't guarantee the functionality or result and takes no responsibility in this respect.

We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises.

Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.