

## Anti-corrosion Coating in Aqueous Phase. Stretched Velvet Finish (Airless).

### PURPOSE

• Anti-corrosion coating with a modified acrylic base in aqueous phase, aimed at the protection of metal works and diverse equipments in urban, industrial, or maritime environment:

- covering elements such as metallic corrugated or ribbed sheets;
- exterior surfaces of vats, silos, reservoirs, tanks;
- polar cranes, beams, footbridges, frameworks, iron fittings;
- metallic panellings, steel containers...

• Adhesion primer for the REVCOAT waterproofing system over metallic surfaces.

The specific texture of FERCOAT allows for an application of the product in strong thickness without risk of sagging and for a perfect covering of the work (including over edges and sharp angles) for a uniform and long lasting protection.

NB: The roof slope and draining system must be sufficient to allow the free running of rainwater (slope > 5 %).

### SURFACES

Direct application over:

- All correctly prepared metals (ferrous, non ferrous).
- Pre-painted metals and old paints in good condition (identification of the bases).

Also suitable for:

- Concrete and derived products.
- Bituminous and derived products.
- Rigid plastic materials (prior evaluation).

### MAIN FEATURES

- Anti-corrosion protection over the entire thickness of the coating.
- Flexibility of the coating even by low temperature (up to 200 % elongation).
- Good resistance to atmospheric pollution, UV rays and saline fog.
- Excellent refractory life in aggressive industrial environment.
- Resistance to the development of micro-organisms (in accordance with NF X 41-520).

- High-build, large choice of colours.
- Easy and rapid use, even over complex surfaces.
- Mechanised application suited to large surfaces.
- Excellent resistance to sagging for application in by strong thickness.
- Contains powerful corrosion inhibitors, free from lead and chromate.
- Product in aqueous phase: easy and safe use, environmentally friendly.

### IDENTIFICATION CHARACTERISTICS

In accordance with official standards or, if none applicable, with internal standards.

<b>Aspect</b>	Semi-thick paint.
<b>Dry matter</b>	In weight: $63 \pm 2 \%$ . In volume: $52 \pm 2 \%$ .
<b>Density</b>	$1.30 \pm 0.05$
<b>Flash point</b>	n/a.
<b>VOC Concentrations</b>	Max. 22 g/l. EU threshold value for this product (A/d cat): 130 g/l.
<b>Drying Time (20°C, 65 % RH)</b>	Dry: 4 hrs. Between coats: ca. 30 mins by mechanised "wet on wet" application. 24 hrs by manual or classic mechanised application. <i>Drying delayed by cold and damp weather.</i>
<b>Coverage</b>	About 4 sqm/l per coat ( $\pm 300$ g/sqm/coat). <i>Take into account the extension of surfaces (up to 50 % more consumption over corrugated surfaces).</i>
<b>Classification</b>	<b>NF T36-005:</b> Family I class 7 b2. <b>Label vert excell:</b> Free from contaminants likely to disrupt the quality of wine-producing environments (chlorophenols, chloroanisoles and derived components). <b>Indoor air emissions*:</b> C. <small>* Information about the indoor emission level of volatile substances presenting a toxicity hazard through inhalation on a scale ranging from A+ (very low emissions) to C (high emissions).</small>
<b>Colours</b>	Factory-made TOITURES (ROOFINGS) colour chart. ZOLPACHROM 3 system (white/PA base).
<b>Packaging</b>	4 L - 16 L

## USE

Surfaces, preparatory work and application conditions must comply with the applicable standards/DTU (French standards).

### Preparation of the Bases

Bases must be sound, dry, cohesive and consistent with the application. They must be exempt from any external matter (leaves, moss, earth...). An appropriate preparation of the bases is the condition for a good adherence and durability of the coating.

- Ferrous metals: degrease manually or with HP with an alkaline detergent, such as NETTOYANT MULTIUSAGES, rinse, dry. Remove rust, powdery or in patches, by scraping, sanding, brushing, hammering or, even better, through abrasive jet scavenging.
- Non ferrous metals: remove corroded parts by scraping, brushing, sanding or, even better, through low pressure abrasive jet scavenging, dust.  
Clean the surfaces with ammonia water or with an alkaline detergent such as NETTOYANT MULTIUSAGES. Rinse, dry.
- Old painted bases in good condition: leach (NETTOYANT MULTIUSAGES), brush and sand if necessary.  
When in doubt, proceed to a preliminary adherence test.

### Product Application

#### Process

The anti-corrosion protection is a direct function of the film's thickness. For optimal protection, the coating's global dry thickness cannot go below 240 microns on any point (i. e. about 600 microns wet thickness).

To obtain this result, apply 2 tone-on-tone coats (min. 300 g/sqm/ coat).

- Manual application: 2 coats with a 24 hour interval. Process by regular cross-coats and even without stretching.

- Airless application: 2 successive coats (30 mins between passes or with a 24 hour interval) so as to ensure a good thickness and aspect regularity, in particular over corrugated or ribbed surfaces. Check regularly the applied quantities.

#### Equipment

Brush, long pile roller, airless sprayer (21 to 23 % nozzle).

#### Dilution

- Product ready for use in manual application.
- Up to 3 % water by mechanised application.

#### Equipment Cleaning

WATER, immediately after use.

#### Practical Advice

- Conditions of application:
  - Ambient and surface temperature above 5°C (caution if T > 35°C).
  - Dry weather, sheltered from strong winds and direct sunlight.
  - Dry and condensation-free surface.
  - Wine storehouses: adapted ventilation before and after the application. Do not use in a confined environment. Indirect contact only.
- Make sure that reliefs are properly covered in both directions (backside of the curves or bends).
- Extended surfaces must be taken into account in terms of consumption (up to 50 % more).
- Mind the risk of blemishes in case of excessively hot surfaces during the application.

## CONSERVATION

- 24 months in original unopened packaging.
- Store away from frost and temperatures above 35°C.

## HEALTH, SAFETY, AND ENVIRONMENT

#### Refer to

- The safety information label on the packaging.
- The Safety Data Sheet (Fiche de Données de Sécurité) on the INTERNET: [www.zolpan.fr](http://www.zolpan.fr)
- The Environmental and Sanitary Declaration Sheet (FDES) « Peintures anti-rouille en phase aqueuse » on the INTERNET: [www.inies.fr](http://www.inies.fr)

IMPORTANT NOTICE REGARDING THE ZOLPAN TECHNICAL SHEETS: This version cancels and supersedes previous editions. It is our customers' responsibility to check that they have the latest edition before using the product. The information given in this sheet only has an indicative value and cannot replace the specific data relating to the type and condition of the surface to be treated.



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