



COOL ROOFS  
COATINGS TECHNOLOGY

## Thermo-reflecting, corrosion resistant coating for the protection of metallic roofs Limits heat transfers in the buildings Improves rooms' summer comfort Reduces the needs for air conditioning and its related environmental impacts

**PURPOSE** Corrosion resistant paint coating with high sun reflectance for the protection of metallic roofs. Velvet matt finish.  
Formulated from flexible acrylic resins in aqueous phase and pigments with specific optical properties, REVSUN ANTICO works as a real thermo-reflecting barrier, which efficiently improves the roofs' capacity to reflect and re-emit solar heat towards the sky instead of transferring it inside the buildings.

**CSTB certified energetic characteristics. For white:**  
 \* Up to 90 % of reflected or re-emitted solar input by the coated roof  
 \* Residual efficiency of ca. 90 % after 3 years over roofs

**Applications focussed on the coating's high reflectivity:**  
 \* Renovation / protection of insufficiently insulated metallic roofs of individual houses industrial, commercial, agricultural, tertiary and sports buildings, warehouses, factories, administrative restaurants, etc.  
 A simple, sustainable and economically efficient alternative to classical roof coatings to limit the rooms' summer overheating for buildings not equipped with air conditioning (gain between 1.5 and 3°C) or, otherwise, to reduce the needs of air conditioning (15 to 30 %)  
 \* Increases the solar input of cylindrical photovoltaic systems set up on industrial or commercial roofs by adding to the direct and diffuse energy received by the equipments the effects of the solar energy reflected on the sensors' lower part (up to 30 % in comparison with a black roof)  
 \* And more generally the solar protection of structures which must remain cool in the sun: electric boxes, building site containers, housing modules, vats and tanks, etc.

**SURFACES** \* Metals properly prepared (ferrous and non ferrous)  
 \* Pre-painted panellings, steel containers  
 Also suitable for:  
 \* Masonry surfaces  
 \* Bituminous and derived products  
 \* Old adhesive paint coatings in good condition (favourable technical study)  
 \* Old waterproofing coatings in aqueous phase in good condition (of the REVCOAT type)  
 Preliminary feasibility technical study  
 NB: The application must be done over roofs with a sufficient slope and suitable water evacuation possibilities to ensure proper rainwater drainage

**MAIN FEATURES** Efficient anti-corrosion protection  
 High covering power for optimized protection at corrosion sensitive points (bends, ridges, bolting points)  
 Excellent mechanical characteristics, flexibility of the film  
 Manual or mechanical application  
 Rapidly impervious to rain  
 Resistance to atmospheric dirt, UV yellowing and biological pollution  
 Reduced maintenance, easy servicing  
 Product in aqueous phase: easy and safe use, environmentally friendly

**IDENTIFICATION CHARACTERISTICS** In accordance with official standards or, if none applicable, with internal standards

**Aspect** Semi-thick paint

**Dry matter** \* in weight: 65 ± 2 %  
 \* in volume: 44 ± 2 %

**Density** 1.35 ± 0.05

**Flash point** n/a

**VOC concentrations** Max. 25 g/l. EU threshold value for this product (cat A/d): 130 g/l

**Dry time (20°C, 65 % RH)** Dry: 4 hours - Between coats: 24 hours  
*Drying delayed in cold and damp weather*

**Consumption** Min. 600 g/sqm in 2 coats over smooth surface for 300 µm of minimal dry thickness  
*Extended surfaces must be taken into account (up to + 50 % consumption over corrugated surfaces)*

**Classification** **NF T36-005:** Family I class 7b2

	White	RAL 1015	RAL 7035
Sun reflectance	73 %	64 %	51 %
Thermal emissivity	89 %	93 %	92 %

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

**BASE PREPARATION Bases must be sound, dry, cohesive and consistent with the product application**  
They must be exempt from any external matter (leaves, moss, earth, etc.) and all other elements likely to disrupt the coating's adherence and durability, such as powdery rust, scale, microorganisms, chipped paints, greasy residues and dirt of all kinds, etc. The appropriate preparation of the bases conditions the coating's good adherence and durability

- \* Metals: manual or HP degreasing with alkaline detergent such as NETTOYANT MULTIUSAGES, rinsing, drying  
Rust (powdery or in patches) removal through scraping, sanding, brushing, hammering or, even better, through abrasive jet scavenging, dusting
- \* Old painted based in good condition, pre-painted metals: leaching (NETTOYANT MULTIUSAGES), brushing and sanding if necessary  
When in doubt, proceed to a preliminary adherence test
- \* Masonry surfaces: preparation adapted to the bases condition so as to remove all chipped, friable or non-cohesive parts

## PRODUCT APPLICATION

**Process** Direct application over correctly prepared surfaces  
The anti-corrosion protection is a direct function of the film's thickness.  
For optimal protection, the dry thickness of the coating cannot be inferior on any point to 250 microns (i.e. about 600 microns as wet thickness).  
It shall be obtained by 2 coat tone on tone application (minimum 300 g/sqm/coat)

- \* Manual application: process by regular cross-coats and even without stretching
- \* Airless application (recommended application mode for large surfaces): Process by light successive passes without loading so as to avoid overthickness running and bubbling and to ensure a good thickness and aspect regularity, especially over corrugated or ribbed surfaces. Regularly check the applied quantities.  
24 hours between coats for both application modes (required minimum)

**Equipment** Brush, medium size roller, airless sprayer (nozzle 21 à 23 %)

**Dilution** Ready-to-use product for manual application  
Up to 3 % water for mechanical application to adjust the correct product bursting

**Equipment cleaning** WATER, immediately after use

**Practical advice** \* Application conditions:

- . Ambient and surface temperature above 5°C (caution if  $T > 35^{\circ}\text{C}$ )
- . Relative humidity below 80 %
- . Dry weather, sheltered from strong winds and direct sunlight
- . Dry and condensation-free surface (surface temperature  $> \text{min. } 3^{\circ}\text{C}$  above dew point)

- \* Make sure that relief is properly covered on both sides (backside of the curves or bends)
- \* Extended surfaces must be taken into account in terms of consumption (up to + 50 %)
- \* Mind the risk of blemishes in case of excessively hot surfaces during the application

**COLOURS** White, beige RAL 1015, grey RAL 7035

**PACKAGING** 20 kg

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

**HEALTH AND SAFETY** Refer to:  
\* The safety information label on the packaging  
\* Safety Data Sheet (Fiche de Données de Sécurité) on the INTERNET: [www.zolpan.fr](http://www.zolpan.fr)

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*NB: The information given in this sheet only has an indicative value and cannot replace the replace the specific data relating to the type and condition of the surface to be treated.*

