



THERMO-METALS

ANTI-CORROSIVE, WATER-BASED, ACRYLIC ENAMEL,
WITH THERMO-INSULATING AND HEAT REFLECTIVE
PROPERTIES. DIRECT ADHERENCE ON METAL SUPPORT

TECHNICAL PROPERTIES:

NATURE OF BINDER	Acrylic, modified at low V.O.C.
ASPECT OF DRY FILM	Satin-finished
AVAILABLE COLOURS	White and COOL COLOURS TINTING SYSTEM
SPECIFIC WEIGHT	1,10/1.20 kg/lt +/- 0,03 to 20°C
VISCOSITY AT SUPPLY	8.000 cps +/- 1.000 to 20°C
APPLICATION $\geq 5^{\circ}\text{C} \leq 30^{\circ}\text{C}$	Brush – roller – spray
THINNESS	5-10% water
INDICATIVE AVERAGE YIELD	4-5m ² /kg (2 coats) approx. 100-120 μm in thickness
DRYING AT 20°C	2-3 hours
COATABILITY	4-5 hours



SURFACE PREPARATION:

IRON: ensure that the support is dry and calamine free. (if necessary sandblast or treat with OXIFER converter).

NEW SUPPORT: direct adhesion over many types of cleaned metals (iron, zinc-coated sheet, steel, copper): it must be dry, dusted and free from any impurity. For particular supports use exclusively white PRIMER.

PAINTED SUPPORT (like sandwich panel or pre-treated sheet): remove old paints detaching in the most suitable way. In presence of dirt and moulds estimate the ideal treatment (wash with our detergent GERMOSOL, then apply our antibacterial product GERMOSTOP). In any case, before proceeding, take all necessary precautions to bring the support to a suitable condition. (a thin sanding is recommended).

Stir well and make the product uniform before and during use, in particular when it is coloured.

APPLICATION:

Ideal for the thermal insulation of metal surfaces (roofs, silos, tanks, containers) in particular climatic conditions.

In industrial building employed as anti-algae, anti-corrosive enamel, thermo-insulating and heat-reflective, to optimise energy and to improve comfort in warehouses set under direct sun heat.

(suggested thickness is about 100/120 μm , corresponding to two coats).

THINNED PRODUCT MUST BE USED WITHIN 2-3 DAYS.

KEY BENEFITS AND PROPERTIES:

Reflection of heat generated by solar radiation (both visible and infrared)

Thermo-insulating and heat-reflective enamel, water-repellent, high protection against moulds and algae.

It increases energy optimisation. (it improves thermal insulation)

It solves problems linked to grain and flour silos stocked under sun heat, and products sensible to temperature ranges.

It contributes, thanks to the energy saving power, to a CO₂ reduction.

WARNINGS:

Apply the product in climatic conditions as mentioned above. In unsuitable conditions, the application of the product is adversely affected in the drying time, and the achievement of the optimum appearance and performance can be compromised. After application, exterior surfaces must be protected against rain, freezing, fog and dew for at least 48 hours. In ideal weather conditions (+20°C. and 65% R.H.) drying and physical cross linking occurs in about 7 days; yet, drying may take longer when temperatures are lower and humidity is higher and some unsightly looking, translucent and sticky leakages could appear. This temporary phenomenon does not affect the performance of the product and may be removed by washing or waiting for the next rainfall event.

STORAGE:

Store in original sealed packaging for one year. Store in a cool, dry, well ventilated area away from heat and direct sunlight.

Refer to the MSDS for further information.

The data herein are correct at the time of Quality Control and refer to standardized environmental conditions. The same must be considered as a guide and don't have to be used in substitution for customer's tests to ensure that Barozzi Vernici products are safe, effective and fully satisfactory for the intended use. Moreover, since conditions and methods for the application are beyond our control, Barozzi Vernici cannot be responsible of them.