

# TECHNICAL INFORMATION

## THERMOSTYL

503-00544-000



### DESCRIPTION

Thermostyl is a new generation of water-based paint that works as a thermal insulator. Applied in the recommended thickness, it can reduce the internal temperature of a metal roof under direct sunrays up to 15°C, decreasing the ambient temperature in the areas below. Because of this, it helps to reduce energy consumption in air-conditioned spaces. It has anti-fungal power, excellent resistance to UV radiation and an anticorrosive barrier effect. Due to its low VOC, it is an Eco-friendly product.

### USE

Thermostyl is applied on the outer face of galvanized or enameled iron panels, whether they are located on walls or roofs, to provide thermal insulation. It can also be placed on concrete or gypsum, considering that, for these cases, temperature reduction can vary on each case.

### CHARACTERISTICS

#### SPECIAL PROPERTIES

<b>System</b>	Water base
<b>Finish</b>	Matt
<b>Hiding Power</b>	● ● ● ● ●
<b>Waterproof</b>	YES
<b>Weather resistance</b>	● ● ● ● ●
<b>Breathability</b>	YES
<b>Elastomeric</b>	YES

#### PHYSICAL PROPERTY

#### DATA

Volume Solids (%)	67 - 69
Weight solids (%)	52 - 54
Weight per Gallon (kg/gal)	2.8 - 3.0
Stormer Krebs Viscosity (Ku)	110 - 120
Theoretical Yield (m <sup>2</sup> /Gallon)	6.8 m <sup>2</sup> @ 15 mils
Recommended Dry Film Thickness	15

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over conditions, tools, applicator skills, selection, preparation, or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities' suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission, or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail



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Definition of theoretical yield: Maximum surface that can be covered with a painting under ideal conditions. The practical performance varies depending on the type of surface used tool, applicator experience and other factors. 1 mil = 0.0254 mm.

### PRESENTATION

#### AVAILABLE PRESENTATIONS

1 gallon can (3.785 Lt.)

5 Gallon plastic bucket (18.925 lt)

#### AVAILABLE COLORS

White 000

### SURFACE PREPARATION

#### CONDITION

#### INSTRUCTION

#### Surface cleaning

Before applying the product, remove any dirt, dust, grease or other contamination, as this will affect the adhesion or performance of the finish used.

Remove poorly adhered paint with spatula, sandpaper, brooms or compressed air and smooth out uneven spots (steps) where paint was removed.

### PRODUCT PREPARATION

#### COMPONENT

#### MIXING RATIO

#### MIXING INSTRUCTIONS

Product: 503-00544-000, THERMOSTYL

100%

Ready to use. Do not dilute..

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### PRODUCT APPLICATION

#### IT CAN BE APPLIED WITH

Airless spray                  Brush

#### Brushing

Apply with natural or synthetic brushes that does not detach bristles.

#### Airless spray application

Nozzle	0.48 a 0.53 mm
Fan Angle	50° to 60°
Dry Coat Thickness	7.5 mil
Line Pressure	120 a 150 BAR

These are reference values. Professional users can slightly adjust some value as indicated by field conditions.

#### Application conditions

Do not paint very hot surfaces or directly exposed to the sun, the paint will evaporate too fast and that will impair adherence and durability.

Do not apply when ambient humidity exceeds 85% or in a rainy day, because it would alter some characteristics of the application or the performance of the product.

Room Temperature	5°C to 40°C
Relative Humidity	10% to 80%

#### Drying times

Dry-to-Touch Time	30 min
Dry to Recoat Time	1 h - unlimited
Total drying time	24 horas

Drying times listed are under ideal conditions (Between 22-28°C temperature and 50-80% relative humidity). These times are dependent on temperature, moisture, film thickness and dilution.

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### OBSERVATIONS

- ✓ If you need more information, one of our technicians will assist you. Call 800-SUR-2000 or email us at [customerservice@gruposur.com](mailto:customerservice@gruposur.com)
- ✓ If you use more than one container, mix them in advance to match any possible color differences.
- ✓ Do not wash painted surfaces with abrasive detergents, better use liquid detergent with enough water and a soft sponge.
- ✓ Keep container tightly closed in a ventilated place, between 20 and 30°C, out of reach of children.

### HEALTH

- ✓ The user of this product may need the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>
- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR Color paint store or our industrial compound in La Uruca, San Jose.

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