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 temperature of a metal roof under direct sun rays 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 applied on concrete or gypsum, considering that, in these cases, temperature reduction can vary on each case.

PROPERTIES

SPECIAL PROPERTIES

System	Water base
Finish	Matt
Hiding Power	● ● ● ● ●
Waterproof	Yes
Weather Resistance	● ● ● ● ●
Breathability	Yes
Elastomeric	Yes

		DATA
Volume Solids (%)		54 - 56
Weight solids (%)		51 - 53
Weight per Gallon (kg/gal)		2,9 - 3,10
Stormer Krebs Viscosity (Ku)		110 - 120
Theoretical Yield (m^2/Gallon)		82.5 @ 1 mil
Recommended Dry Film Thickness		6

Practical yield varies depending on the type of surface used tool, applicator experience and other factors. 1 mil = 0.0254 mm.

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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Values Measured for white color

CONTAINERS AND COLORS

AVAILABLE CONTAINERS
1 gallon can (3.785 Lt.)
5 Gallon plastic bucket (18.925 Lt)

AVAILABLE COLORS
White 000
307 Oxide red
321 Tile red
360 Coffee
500 Blue
665 Oxide green
700 Black
720 Grey

SURFACE PREPARATION

CONDITION	INSTRUCTION
Surface cleaning	Before applying this product, remove any dirt, dust, grease or other contamination, as these 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.
New Galvanized Steel	Wash and degrease the surface, allow to dry completely. Then apply a coat of this finish
Rust Galvanized Steel	Rust spots should be cleaned with a steel brush or sandpaper to remove it. Remove residual dust (do not use water). In areas that cannot be adequately prepared due to their difficult access, apply a layer of CORROSTOP CONVERTIDOR DE ÓXIDO 375-013 (rust converter) patching it (only on rust spots). Allow it to act for 4 hours and then apply a coat of CORROSTOP TIPO MINIO ROJO II 9000-351 anticorrosive primer. Finally, coat with this finish.

PRODUCT PREPARATION

COMPONENT		MIXING RATIO	MIXING INSTRUCTIONS
503-00544-000	THERMOSTYL	**100%**	

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PRODUCT APPLICATION

IT CAN BE APPLIED WITH

Airless spray Brush

Brushing

Use natural or synthetic brushes in good condition and that do not shed bristles.

Airless spray application

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

Professional users can slightly adjust some value as indicated by field conditions.

Application Conditions

Do not apply on hot surfaces or directly exposed to sun rays, paint will evaporate too soon, compromising leveling, adhesion and durability.

Do not apply this product when relative humidity exceeds 85%, under rain or with clear possibility that it will rain in a short time, as it would alter some characteristics of the application or this product's performance.

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

Drying times

Touch-dry	4 hours
Recoat time	4 hours to unlimited
Total drying time	24 hours

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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NOTICE

- ✓ If you need more information, check our website https://www.gruposur.com/asistencia/
- ✓ Do not wash a painted surface with abrasive detergents, it is better to use liquid detergent with water and soft sponge.
- ✓ If you´ll use more than one container, mix them in advance to make up for any color differences.
- ✓ Container must be kept out of reach of children, tightly closed in a ventilated place, between 20 and 30°C to avoid loss of its properties.

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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