

TECHNICAL INFORMATION

CORROSTOP DTM



506-09351-000

DESCRIPTION

CORROSTOP DTM (Direct-to-Metal) is a high performance, water-based primer/finish, featuring excellent corrosion protection and excellent adhesion on metallic surfaces. Used as a primer, it can be coated with acrylic or alkyd finishes or else, let uncoated to work as a finish. It does not suffer from *flash rust*.

USE

Can be used indoors or outdoors, on iron or galvanized Steel surfaces.

Structure Exterior pipes, Fences, screens, grills and gates, Metallic Structures, Gutters/Downspouts. Structural elements (column, trusses, etc.), Steel roofs.

Exterior/Interior Indoor, Outdoor, Roofed Exterior walls

Surface Steel, Enamel Roof Sheet/Metal Tiles, Galvanized

CHARACTERISTICS

SPECIAL PROPERTIES

Finish	Matte
Hiding Power	

PHYSICAL PROPERTY

DATA

Weight per Gallon (kg/gal)	5.4 - 5.6
Stormer Krebs Viscosity (Ku)	100 - 110
Weight solids (%)	67 - 69
Volume Solids (%)	52 - 54
Theoretical Yield (m ² /Gallon)	53 m ² @ 1.5 mil
VOC (volatile organic compounds) (g/l)	4 - 5
Washability ASTM D2486 (cycles)	> 5000
Pull Off Strength	4B - 5B
Pencil Hardness (ASTM D3363)	HB - H
Impact resistance ASTM D-2794 (lb-inch)	> 90
Salt spray - ASTM B117 (500 horas)	Excellent (dry film thickness: 7 mils)

Definition of theoretical yield: Maximum surface that a paint can cover under ideal conditions. Practical performance varies depending on type of surface, used tool, applicator experience and other factors. 1 mil = 0.0254 mm.

Note: Values Measured for white color. 1 to 5 rating scale, where 5 is better.

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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PRESENTATION

AVAILABLE PRESENTATIONS

1 gallon can (3.785 Lt.)

5 gallon bucket (18.925 Lt.)

AVAILABLE COLORS

White 000

Oxide Yellow 111

Red 300

Oxide red 307

Green 665

Black 700

Grey 720

SURFACE PREPARATION

CONDITION

INSTRUCTION

Surface Cleaning

Before applying, remove any dirt, dust, grease or other contaminants, as this will affect the adhesion or performance of the finish. Remove badly adhered paint with the appropriate tools, and smooth out irregularities (steps) left by old coat of paints.

New iron or steel

Wash with clean water and liquid detergent, rinse thoroughly to remove detergent and allow to dry completely. Use this finish.

Rust Iron or Steel

Corrosion spots should be cleaned with steel brush or sandpaper to remove rust. Remove residual dust without any water. If certain areas cannot be prepared properly due to their difficult access, apply a coat of CORROSTOP RUST CONVERTER 375-013 only over rust spots. Leave on for 4 hours and finally apply this finish.

New Galvanized Iron

Wash and degrease the surface, let it dry completely and then apply this finish.

PRODUCT PREPARATION

COMPONENT

MIXING RATIO

MIXING INSTRUCTIONS

Product: 506-09351-000 CORROSTOP DTM

100%

Stir well before use

Diluent: 0 Water

10 to 15%

PRODUCT APPLICATION

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IT CAN BE APPLIED WITH



Airless spray



Brush



Roller

Brushing

Use natural or synthetic bristles in good condition and does not leaves bristles.

Roller application

Microfiber or splatter free felt.

Smooth Surface: 3/8 "or 1/2" felt.

Rough surface: 3/4" felt

Airless spray application

Nozzle	#517
Pressure	1500 psi

Application conditions

Do not apply on hot surfaces or directly exposed to the sun, it will evaporate quickly and will affect leveling, adhesion and durability.

Do not apply when relative humidity is over 85%, when it's raining or under certain rain threat, because it would alter some characteristics of the application or the performance of the product.

Number of layers and thickness

Dry Coat Thickness	1,5 to 2 mils
Number of Coats	Apply at least 2, until you get the desired results.

Drying times

Dry-to-Touch Time	30 minutes
Recoat time	2 hours
Total drying time	5 to 7 days

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

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

HEALTH

- ✓ 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.
- ✓ 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>

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