



PRODUCT DATA SHEET

SPEC-PRO® RHINO-GRIP® DTM Black Primer/Finish (SPC99390)

Product Description

An acrylic DTM primer/finish for architectural and industrial applications where corrosion resistance and exterior durability are required.

Where to Use

This product offers excellent adhesion to many substrates such as structural steel, aluminum, galvanized metal, concrete, and masonry.

Product Characteristics

Color	Black
Sheen	Satin
Architectural and Industrial Maintenance Category	Primers and Undercoaters

Drying Time

Temperature	To Touch	To Recoat
75°F / 55% R.H.	30 minutes	2 hours

(Cooler temperatures and higher humidity will lengthen drying time)

Preparation & Priming

Surface Preparation

The recommended substrate is blast-cleaned in accordance with SSPC-SP7 at a minimum. If blast cleaning is not feasible, the substrate should be degreased in accordance with SSPC-SP1. All burrs should be removed, and sharp edges or rough weld seams should be ground down. Full use should then be made of mechanical power tools, in conjunction with wire brushing and chipping to remove all loose rust and mill scale to a standard of cleanliness conforming to SP-2 or SP-3. Prior to painting, all dust should be removed from the substrate by using clean brushes and/or dry compressed air. For non-ferrous metals, please verify adhesion on substrate to be coated.

Finish Coats

SPC99390 may be used as a DTM as a primer/finish or may be top coated. Typical topcoats include waterborne enamels and most alkyd enamels. If used as a DTM, 2 coats should be applied with a minimum total dry film thickness of 2 mils. Consult your representative for specific job recommendations.

Physical Properties

Mixing	Stir thoroughly, making sure no pigment remains on the bottom of the can.
Thinning	Thin with water only if necessary.
Surface Temperature	Minimum 40°F, Maximum 90°F.
Recommended Thickness	2-4 mils dry.
Theoretical Coverage	529 ft ² /gallon at 1 mil dry, assuming no application losses. Coverage will vary depending on color, the surface texture and application technique.

Coverage Rates per Coat		Dry Mills	Wet Mills	Ft²/gal
	Suggested	3.0	9.1	176
	Minimum	2.0	6.1	265
	Maximum	4.0	12.1	132

Application Equipment	Airless Spray	Pressure	1800-2400 psi
		Tip	0.013"-0.017"
	Conventional Spray	Air Pressure	60-80 psi
		Fluid Pressure	10-20 psi
	Roller	Use 1/4" synthetic nap roller cover.	
	Brush	Use high quality synthetic or nylon bristle brushes.	

Application Considerations Spray recommended. Do not apply when overnight freeze, rain or dew is forecast. NOTE: During conditions of high humidity or moist air, allow for a much longer cure time. Warm air, moving over the substrate, will promote drying and improve cure time when less than optimum application conditions exist. When applying this coating by roller application, extra attention to detail is necessary to avoid pinholes.

Cleanup & Storage

Cleanup Use soap and water
 Storage Temperature Minimum 35°F Maximum 110°F
 Shelf Life Under Normal Conditions (Unopened) – Two Years

Safety & Important Information

Do not breathe vapor or mist. Do not swallow. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Use personal protective equipment as required.

FIRST AID: If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. If on skin, rinse well with water. Wash with soap and water. Get medical attention if irritation develops. If inhaled, remove to fresh air. Call physician immediately. May cause allergic reaction. Keep out of the reach of children. For workplace use, an SDS is available from your retailer or by calling (800) 999-4626. EMERGENCY SPILL INFORMATION: (800) 424-9300. (U.S.).

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

Additional Technical Data

Solids by Volume 33% ± 2
 AIM Category VOC Limit 2.08 lb/gal (250 g/L)
 Coating VOC 1.69 lb/gal (202 g/L) – Minus Water and Exempt Materials
 Material VOC 0.7 lb/gal (84 g/L)
 Density 9.24 lb/gal (1102 g/L)
 Packaging 5 Gallon pails and 1 Gallon cans
 Physical Properties **Alkalis:** Excellent **Acids:** Moderate **Water:** Excellent
 Safety Information Refer to the Product Data Sheet or Material Safety Data Sheet for safety information.

Performance Data

Substrate Steel

Test Name	Coating System	Test Method	Results
Salt Fog Resistance	1 Coat SPC99390	ASTM B117	200 Hours
Adhesion	1 Coat SPC99390	ASTM 3359	5B
Pencil Hardness	1 Coat SPC99390	ASTM D3363	4H

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Spectrum Paint Company warrants your satisfaction with the application, appearance, and performance properties of this product when applied to a properly prepared surface in accordance with the label directions. Spectrum Paint makes no other express warranties. If the product fails to conform to this Limited Warranty, Spectrum Paint will, at your option, furnish replacement product or refund the purchase price. This Limited Warranty excludes (1) labor or costs of labor for the application or removal of any product and (2) all other direct, indirect, incidental, special, or consequential damages. This Limited Warranty gives you specific legal rights; you may have other rights which vary by state. To make a claim under this Limited Warranty, supply dated proof of purchase to the store of purchase or to Spectrum Paint Company, 15247 E. Skelly Dr., Tulsa, OK 74116.