



WONDER-SHIELD®
**Exterior Satin
 Latex Paint
 DR16XXN**

DESCRIPTION

WONDER-SHIELD® Exterior Latex Paint provides durable protection against weathering and provides a mildew-resistant coating. An outstanding value, Wonder-Shield Exterior Latex Paint is also easy to apply, cures quickly and can be used on properly prepared wood siding, trim, sash, masonry, weathered aluminum, vinyl siding and metal.

FEATURES/BENEFITS

Features	Benefits
Durable finish	Reduces the painting cycle time
Color retention	Color stays true
Provides a mildew-resistant coating	Provides a clean appearance
Ideal for multiple exterior surfaces	Project simplicity and versatility
MPI® Approved Product: Categories 15	Meets strict performance and aesthetic requirements

SPECIFICATION DATA*

*Specification data calculated on DR1649N

- Bases:
 DR1601N – White
 DR1649N – High Hide Base
 DR1651N – Medium Tint Base**
 DR1653N – Deep Tint Base**
 DR1657N – Clear Base**

**Must be tinted before use.

Refer to the appropriate color formula book, automatic tinting equipment, and or computer color matching system for color formulas and tinting instructions.

Finish:
 Satin, 20-35 units @ 85°

Clean-up Solvent:
 Soap & water

Resin:
 100% Acrylic Resin

Density: *
 10.2 lbs/gal (1.22 kg/L)

VOC:
 <50 g/L (0.42 lbs/gal)

Solids: *
 Volume - 30% +/- 1%
 Weight - 43% +/- 1%

Practical Coverage:
 Apply at 300-400 sq ft/gal.
 (28 - 37 sq. meters) per U.S. gallon.
 Actual coverage may vary depending on substrate and application method.

Recommended Film Thickness:
 4.0 - 5.3 mils wet
 1.2 - 1.6 mils dry

Flash Point:
 None

Dry Time:
 77°F (25°C) & 50% RH
 To touch – 2 hour
 To recoat – 4 hours
 35°F (2°C)
 To touch – 3-6 hours
 To recoat – 24 hours

Shelf Life:
 1 year minimum - unopened

Read Label and Material Safety Data Sheet Prior to Use. See other cautions on last page.

SURFACE PREPARATION

GENERAL SURFACE PREPARATION: All surfaces must be sound, dry, clean and free of oil, grease, dirt, rust, mildew, form release agents, curing compounds, loose and flaking paint and other foreign substances. Glossy surfaces must be dulled by sanding to ensure proper adhesion. Remove sanding dust. Fill all cracks and nail holes with spackle and spot prime with this product. For best results, prime heavily stained areas or watermarks with a stain blocking primer.

NEW SURFACES: Wood - Countersink nails, spot prime nails and pine knots with this product. Prime entire surface with this product. Prime badly weathered wood and bleeding wood such as redwood or cedar with the appropriate alkyl primer. Caulk with an acrylic caulk. Preprimed and Unprimed Hardboard - Prime entire surface and all edges with this product. Caulk with an acrylic caulk. Concrete and Masonry - Cure at least 30 days before painting. pH must be 10.0 or lower. Roughen slick poured or precast concrete and remove sealers by chemical cleaning or abrasive method such as sandsweeping. Rinse thoroughly with water and allow to dry. Remove loose aggregate. Prime concrete with this product, or the appropriate latex primer. Fill concrete block with a latex block filler. Preprimed and Unprimed Fiber Cement Board - Prime entire surface and all edges with this product. Caulk with an acrylic caulk. Steel - Prime with the appropriate waterborne or solventborne metal primer. Galvanized Metal and Aluminum - Prime with waterborne the appropriate waterborne or solventborne metal primer.

PREVIOUSLY PAINTED SURFACES: Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Dull glossy areas by light

sanding. Remove sanding dust. Remove loose paint. Scrub heavy chalk areas and overhead areas such as eaves with soap and water. Remove all mildew by washing with a solution of 16 oz (473 mL) liquid household bleach and two oz (59 mL) non-ammoniated liquid detergent per gallon (3.785 L) of water. Rinse surfaces clean with water and allow to dry for 24 hours. Prime bare areas with primer specified under NEW SURFACES. Weathered Aluminum and Vinyl Siding - Remove dirt and chalk. Prime with this product. If chalk remains after cleaning, prime with the appropriate latex primer. Do not repaint vinyl siding with colors darker than the original color; the siding may warp.

NOTE: Blistering and peeling of exterior house paints down to bare wood is usually caused by moisture behind the paint film. Moisture pressure forces the paint away from the surface. Sources of excess moisture in the wood must be eliminated prior to repainting to obtain normal service life of these paints. Old, unsound multiple coat paint systems may be subject to peeling when repainted due to the added weight and stress created by the paint layers. In such cases, all old paint layers must be removed back to the bare wood before repainting.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear an NIOSH-approved respirator 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 National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

DIRECTIONS FOR USE

TINTING: Tint the appropriate base with universal colorants.

SPREADING RATE: Apply at approximately 300-400 sq. ft. (28 - 37 sq. meters) per U.S. gallon (3.78 L) on primed, smooth, nonporous surfaces. Coverage figures do not include material loss due to application. For best hiding, tint primers toward finish coat color. Some colors, drastic color changes, or porous surfaces may require additional coats to achieve a uniform finish.

APPLICATION: Mix thoroughly before use. May be applied by brush (synthetic), roller (3/8" to 1/2" nap) or spray. No thinning required. For airless spray application, use tip size .015" - .021" and pressure range of 1500 - 2000 psi. Adjust pressure as needed. When using more than one container of the same color, intermix to ensure color uniformity. Do not thin. Two coats minimum are required for new and uncoated surfaces. An additional coat may be necessary for dramatic color changes, dark colors or over rough surfaces for optimal appearance and hide. Establish that air, surface and material temperatures are 35°F (2°C) and at least 5°F above the dew point prior to

painting. Do not apply at temperatures below 35°F or when temperatures are expected to drop below 35°F within 48 hours of application. Do not apply if rain or snow is expected within 48 hours. On large expanses of metal, temperatures must be 50°F (10°C) or higher. Check temperature requirements on any accompanying primer used.

DRYING TIME: Normally dries to touch in two hours at 77°F (25°C) and 50% relative humidity. Allow four hours before recoating. At 35°F (2°C), dries to touch in three to six hours and to recoat in 24 hours. Drying times listed may vary depending on temperature, humidity, color, film build and air movement.

CLEAN-UP: Clean hands and tools immediately with warm, soapy water. Clean spills right away with a damp cloth.

DISPOSAL: Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

PRECAUTIONS

WARNING! CAUSES RESPIRATORY TRACT AND EYE IRRITATION. MAY BE HARMFUL IF INHALED OR SWALLOWED.

Contains material that may cause target organ damage, based on animal data. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or mist. Wash thoroughly after handling. Keep container tightly closed and sealed until ready for use. 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. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information. FIRST AID:** If swallowed, rinse mouth with water (only if the person is conscious). 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. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes. In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin. Keep out of the reach of children. For workplace use, an MSDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

SHIPPING

FREIGHT CLASSIFICATION:
DO NOT FREEZE

PACKAGING:
1 gallon (3.785)
5 gallons (18.925 L)

FLASH POINT:
None



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