



**MS-Series
Nu-Cling**

100% Acrylic Satin Enamel Finish

Product Data Sheet

PRODUCT DESCRIPTION

Nu-Cling is a premium quality 100% acrylic latex satin enamel with excellent gloss and color retention. Nu-Cling is designed to adhere to a variety of surfaces, producing a durable, weather resistant enamel with excellent resistance to blocking. Nu-Cling will give you the hardness and durability of oil with the conveniences of latex.

TYPICAL USES

Formulated for use on residential and commercial interior or exterior wood, masonry and metal substrates. The durable finish makes it an ideal product for surfaces such as woodwork, cabinets, handrails, metal doors and trim.

BASES & COLORS-tintable with ACS Colorant

MS-1530 Cotton White	N/A
MS-1539 Pure White Base	0-4 oz/gal
MS-1531 White Base	0-4 oz/gal
MS-1532 Midtone Base	2-6 oz/gal
MS-1533 Deep Base	4-10 oz/gal
MS-0534 Neutral Base	4-14 oz/gal

PHYSICAL PROPERTIES(MS-1530)

Resin Type	Acrylic Latex
Clean-up Solvent	Water
Finish	30-40 @ 60°
Solids by Weight	47 %
Solids by Volume	34 %
Recommended Dry Film Thickness per Coat	1.5 – 2 mils
Wet Film to Achieve DFT	4.5 – 6 mils
Theoretical Coverage @ 1 mil	545 ft ² /gallon
Practical Coverage at Recommended DFT ¹	273 – 363 ft ² /gallon
Dry Times ² @ 70° F (21° C) and 50% R.H.	Touch ½ to 2 hours Recoat 4 hours
VOC's (Ranges from 198 to 200 depending on base)	198 grams/liter

1 Spread rates are estimates based on products volume solids and make no allowance for material loss during application. Actual spread rates may vary dependent on applicator experience, surface porosity and texture.

2 Dry times may vary depending upon temperature, humidity and degree of air movement.

SPECIFICATIONS

Ferrous Metal

1 ct AZ-Series Cote-All Universal Primer
or
1 ct V-Cote 200 Acrylic Maintenance Primer
2 cts Nu-Cling Satin

Galvanized Metal

1 ct V-Cote 200 Acrylic Maintenance Primer
2 cts Nu-Cling Satin

Aluminum

1 ct V-Cote 200 Acrylic Maintenance Primer
2 cts Nu-Cling Satin

Interior Wood

1 ct DU-1508 Latex Enamel Undercoat
2 cts Nu-Cling Satin

Interior Smooth Block

1 ct DU-1502 100% Acrylic Primer/Sealer
2 cts Nu-Cling Satin

Interior Porous Block

1 ct BF-Series Block Fillers
2 cts Nu-Cling Satin

Exterior Wood

1 ct BU-Series Acrylic Primers
Or
1 ct AU-Series Alkyd Primer
2 cts Nu-Cling Satin

Exterior Smooth Block

1 ct BU-Series Acrylic Primer
2 cts Nu-Cling Satin

Exterior Porous Block

1 ct BF-Series Exterior Block Fillers
2 cts Nu-Cling Satin

For more detailed recommendations, please contact your local Diamond Vogel Sales Representative.

SURFACE PREPARATION

All surfaces must be cured, clean, sound, dry and free of all dirt, dust, efflorescence, wax, oil, grease, chalk and any other contamination that would interfere with new coating adhesion.

Bare surfaces must be properly prepared and primed prior to application of this product.

Masonry Surfaces - Poured Concrete, Concrete Block:

New concrete and mortar should cure for a *minimum* of 30 days at 72° F (22° C) prior to coating application. Level all surface projections and mortar spatters by stoning. Rake mortar joints clean and remove all soluble salts.

Wood Surfaces: Sand smooth any exposed wood surfaces. Patch nail holes and any imperfections with wood filler or putty and sand smooth. Remove sanding dust.

Plaster Surfaces: New plaster must cure for a *minimum* of 30 days at 72° F (22° C) prior to coating application. Sand smooth and dust. Fill cracks with spackling compound, allow to dry and sand smooth. Remove sanding dust.

New Galvanized/Aluminum Metal Surfaces: Solvent wipe to remove surface contamination, then use an etching solution or abrade the surface by sanding.

Weathered Galvanized/Aluminum Surfaces: Power or hand wash with detergent and rinse thoroughly. The surface must be dull and slightly rough; use an etching solution or sand if needed.

Ferrous Metal Surfaces: Remove loose rust and mill scale with hand or power abrading tools (reference SSPC-SP-2 or SSPC-SP-3).

Previously Painted Surfaces

- Cleaning is recommended to remove contamination. If oil or grease is present, use of a cleaner/degreaser is required. All cleaning residue must be completely rinsed from the surface. Allow to dry.
- Remove all loose coatings and corrosion by scraping, sanding or other abrading method. Dull glossy, slick and/or non-porous surfaces with sandpaper.
- Patch and fill areas as needed. Spot prime bare areas with appropriate primer.

Mildew

Remove by using a solution of one (1) part household bleach and three (3) parts water. Apply to mildewed area and scrub. Allow solution to remain on the surface for 3 to 5 minutes then rinse completely and allow to dry before coating application. Do not add detergents or ammonia to the bleach/water solution.

APPLICATION

- Stir material prior to application. Intermix tinted containers to ensure color uniformity of all material.
- Equipment must be clean prior to start. Flush airless lines with clean water.
- Apply by brush, roller or spray. A good quality synthetic brush will make application easier. Use a ¼ nap roller cover. Airless tip sizes of .009 to .011 are recommended.
- Apply the product in full even coats and maintain a wet edge. Allow the product to dry between coats. **Working time of the wet film is limited when brushing and rolling.**
- Do not thin. Do not add any flow control additives as they may not be compatible.

ENVIRONMENTAL VARIABLES

Protect product from freezing prior to and during application. Minimum surface and air temperature required for application is 50° F (10° C) and at least 5° F (3° C) above the dew point. Curing is affected by temperature, humidity and air movement. The minimums must be maintained for at least eight (8) hours in order to achieve proper film formation. Application at elevated temperatures, wind conditions, and/or low humidity may require special application procedures to achieve proper film formation.

CLEAN-UP

Clean up spills immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment.

Coating must be fully cured before attempting to wash the surface. Curing is temperature and humidity sensitive, ranging from 14-28 days.

CAUTIONS

Not for use on horizontal surfaces

Do not apply below 50° F.

Protect from freezing

Do not take internally

Use with adequate ventilation

KEEP OUT OF REACH OF CHILDREN

*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 a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and 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.

Limited Warranty

The technical data and suggestions for use contained in this document are true and correct to the best of our knowledge at the date of issuance. The statements of this document do not constitute a warranty, expressed or implied, as to the performance of these products. Since Diamond Vogel Paints does not control the application of its products, or the condition of the surfaces to which they are applied, Diamond Vogel Paint's liability will under no circumstances exceed replacement of the product.