

# VandlGuard®

## Non-sacrificial Anti-Graffiti Coating

### TECHNICAL DATA SHEET

#### Tough and Durable Graffiti Resistant Coating



VandlGuard® Anti-Graffiti

Description	U/M	Code
VandlGuard® Non-Sacrificial Anti-Graffiti Coating	1 Gallon	VG-7001
VandlGuard® Non-Sacrificial Anti-Graffiti Coating Zero Gloss	1 Gallon	VG-8005SP
VandlGuard® Non-Sacrificial Anti-Graffiti Coating	5 Gallon	VG-7000
VandlGuard® Non-Sacrificial Anti-Graffiti Coating Zero Gloss	5 Gallon	VG-8008SP

### Description

VandlGuard® Non-Sacrificial Anti-Graffiti Coating is a single-part or (when a surface is unpainted or unsealed) two-part system\* that provides a tough and durable graffiti resistant finish. This is a cross linking co-polymer material coating that dries clear (non-yellowing) with a low luster sheen or zero gloss finish. Protects a variety of interior and exterior vertical surfaces from permanent graffiti staining and damage. Will protect your surface from graffiti defacement caused by commercially available spray paints.

### Features

- Supplied ready to use - no mixing needed
- V.O.C. compliant - less than 20 g/l
- Treated surfaces will sustain unlimited graffiti removals for a period up to ten years
- Will retard the growth of mildew, mold, fungus, and bacteria
- Surfaces require no particular maintenance.
- No expensive sand blasting needed.
- Meets Master Painters Institute (MPI) #105 - Graffiti-Protection, Top Coat
- UV Protectant

### A Complete System

#### \*Bare Surfaces:

First apply one coat of Micro-Seal® Water Repellent by Rainguard. When surface is dry to the touch, begin application of VandlGuard®.

### Recommended Uses

- Aggregate panels
- Concrete, brick, or stucco
- EFIS and cement plaster
- Metal
- Over water-based or solvent-based coatings
- Plastic
- Previously or newly-painted surfaces.
- Stone
- Wood

### Material Warranty

#### One Year Warranty

Apply One Coat of VANDLGuard®

#### Five Year Warranty

Apply Two Coats of VANDLGuard®

#### Ten Year Warranty

Apply Three Coats of VANDLGuard®

### Coverage Rates (Theoretical)

Substrate	Sq Ft / Gallon
Precision/Split Face Block	200
Ground Face Block	200
Scored/Fluted Block	180
Sand Blasted Block	180
Slump/Adobe Block	200
Heavy Textured Stucco	200
Brick	250
Unpainted Wood	200
Porous Tile	200
Fine/Medium Textured Stucco	250
Cast/Pre-Cast/Tilt-up Concrete	250
Sand Blasted Concrete	225
Exposed Aggregate	225
EFIS	225
Metal	300
Painted Surfaces	300



## Application

All surfaces to be coated should be structurally sound, clean, and dry. Using airless spray equipment, apply VandlGuard at recommended coverage rates. Apply in a fine mist, cross hatched pattern to build up the wet coating. As soon as the entire surface has been coated, immediately repeat process with a second pass. Depending on the porosity of the surface, a light second coat may be necessary. Clean equipment with soap and water when finished.

## Environmental Conditions

Do not apply to surfaces if moisture content is greater than 15% as measured with an electronic moisture meter. Do not apply materials in climates where freezing temperatures have existed prior to application. Allow adequate time for surfaces to thaw. Establish that air, surface, and material temperatures are above 40°F (4°C) and at least 5°F above the dew point prior to painting. Do not apply at temperatures below 40°F or when temperatures are expected to drop below 40°F within 24 hours of application. Do not apply if rain, snow, or lower temperatures are expected within 48 hours. Do not apply if relative humidity is greater than 80%.

## General Precautions

### Painted Surfaces:

Allow newly painted and stucco surfaces to fully chemically cure before application of VandlGuard. Recent formulations of pigmented paints, coatings, and integrally colored stucco colorant additives contain biocides. These biocides must be released before application of VandlGuard. Please consult the manufacturer of the paint/stucco coating to determine the chemical curing period. Rainguard is not responsible for yellowing or color differences as a result of application of the VandlGuard over uncured paint or integrally colored stucco surfaces.

## Graffiti Removal Steps

1. Graffiti resistance is fully developed after cure time of 5-7 days depending on weather conditions.
2. When using power washer, keep pressure less than 500 psi. For difficult removal use warm to hot water while power washing. No need to use harsh chemical cleaners.
3. When using chemical cleaners use Rainguard VandlClean™ Super a non-hazardous biodegradable cleaner. Follow manufacturer's recommendations and instructions for use. In addition, warm water power-washing has also been known to assist in the removal of tagging.

## Test Panel

Always apply material to a mock wall or test panel. Test wall or actual surface area to determine acceptable color, surface porosity, application rates and methods before starting general application.

## Limited Warranty Procedures

The information contained herein is offered in good faith and is believed to be accurate. To be eligible for a Rainguard Warranty the following must occur:

1. A site visit must be conducted by an employee or agent of Rainguard and a Field Inspection Report completed.
2. A Warranty Application must be fully completed by the applicator.
3. Field Inspection Report, Warranty Application, and a copy of the distributor's invoice must be submitted to and approved by Rainguard.

This material is only warranted when applied in accordance with the manufacturer's guidelines and warranty procedures. Without adherence to these specific guidelines, no expressed or implied warranty of this product is given. Please contact Rainguard for additional information.

## Technical Data

For additional performance-testing information, please contact Rainguard technical services.

Material Type	Cross Linked Co- Polymer
Permeability	100%
Volume	Approx. 40%
Weight	Approx. 58% Solids
Odor	Slight Latex Odor
Temp Range	Application 40°-100° F
Color of Material	Clear
V.O.C.	<20 gm/L
Flash Point	Non-Flammable
Surface Dry Time	1-2 Hours
Finish	Dries Clear

## Approvals & Qualifications

OEHS Chemical Evaluation Program	Approved
LAUSD Anti-Graffiti Architectural Specificaltion	Approved
Los Angeles Research Report	#RR 25060
USGBC - LEED Points	Up to 3 Points

## Test Data

ASTM D-3960 VOC Levels	<50 g/L
ASTM E-514-86 Wind Driven Rain	98.7% Leak Red
Water Vapor Trans ASTM D-1653-71	100% Vapor Perm
Water Pen Fed Spec SS-W-110C	75% Min Req 96.8% Leak Red Chloride Ion
Salt Pounding NCHRP No. 244 Series IV	95% Red
No. 244 Series IV	83% Red
Scaling Resistance ASTM C672/C672	100 Cycles - No Scaling
Exposure to deicing chemicals 100 Freeze Thaw Cycles	Visual Rating - 0
Water Abs CMU ASTM C140-75	98.6% Effective
ASTM G-53/G 154	No blistering, chalking, gloss or color changes
Accelerated Weathering 8000 Hours	
ASTM C-1262 Freeze, Thaw Resistance 100 cycles	Cracking none; adhesion loss none
Surface Burning ASTM E84	Flame Spread 0, Smoke developed 0
ASTM D-638 - Elongation	150%
ASTM D-412 Tensile Strength	6150 PSI
ASTM D523 (Gloss)	90°
ASTM D523 (Matte)	3°-6°
Maximum scrub Cycles	135
ASTM B117 Salt Fog	3000 Hours/No Effect
ASTM D530 Hardness Pencil 2 weekst	2H
ASTM D412 Elongation	150%
ASTM D412 Tensile Strength	6050
ASTM D522 Mandrel Bend Test	No coating loss at 180° rotation
ASTM D968 Sand Abrasion Resistance	5-65 Liters
ASTM E96 Water Vapor Transmission	100% Vapor Perm



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