



3923 Morse St Suite 112
Denton, TX 76208
940-300-5563

EnduraGuard 1 AG

EnduraGuard 1 ANTI-GRAFFITI COATING

Revised 12/09 9.54
www.Infinitecoatings.com

PRODUCT DESCRIPTION

Anti-Graffiti Coating is a one-component, non-sacrificial, ready to- use Aliphatic coating that cures with atmospheric moisture.

Intended for use over properly prepared concrete surface:

- ❖ Excellent graffiti resistance
- ❖ Excellent clean ability with either water power-washing, or solvent wipe
- ❖ Excellent UV resistance
- ❖ Excellent adhesion
- ❖ Low VOC
- ❖ Fast drying
- ❖ Outstanding airless spray properties
- ❖ Single component

PRODUCT CHARACTERISTICS

Finish: Semi-Gloss

Color: Clear

Volume Solids: 72% ± 2%

Weight Solids: 75% ± 2%

VOC (EPA Method 24): <250 g/l; 2.1 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	8.0 200	12.0 300
Dry mils (microns)	6.0 150	9.0 225
~Coverage sq ft/gal (m ² /L)	128 3.1	192 4.7

Theoretical coverage sq ft/gal

(m²/L) @ 1 mil / 25 microns dft **1152** 28.2

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 10.0 mils wet (250 microns):

@ 40°F/4.5°C @ 77°F/25°C @ 120°F/49°C

50% RH

To touch: 9 hours 1 hour 30 minutes

Tack free: 12 hours 4 hours 1 hour

To cure: 21 days 7 days 4 days

Drying time is temperature, humidity, and film thickness dependent.

Shelf Life: 12 months, unopened

Store indoors at 40°F (4.5°C) to

100°F (38°C)

Flash Point: >100°F (38°C), TCC

Reducer/Clean Up: Mineral Spirits - up to 5% as needed for spray application

Clean Up: Mineral Spirits or Naphtha continued on back

RECOMMENDED USES

Uses:

- Use over interior or exterior concrete surface that needs protection from graffiti defacing
- Bridge Abutments
- Commercial Buildings
- Schools
- Transit Stations
- Overpasses
- Railcars
- New Construction

PERFORMANCE CHARACTERISTICS

Performance:

Passed 4000 hours of QUV / multi-graffiti application and removal

Gloss retention = 63%

Color change <3 delta E CIE *L a b

No signs of graffiti left after clean-up; no visible signs of streaking, cracking, pin holing, discoloration or other coating degradation upon casual examination

Graffiti Removal from Surface Coated with:

Power wash with 3000-psi pressure washer (25 feet of hose) having a 15-degree tip at 2-3 inches away from the surface.

Graffiti can also be removed by solvent wiping or acceptable graffiti removers.

Fast Drying

Non-Sacrificial

Excellent Clean ability

Adhesion:

Method: ASTM D6677

Result: Passes, Rating 8

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

If previously painted surface is in sound condition, clean surface of all foreign material. Smooth, hard or glossy coatings should be dulled by abrading the surface. Apply a test area, allowing to dry one week before testing adhesion. If adhesion is poor, or if this product attacks the previous finish, removal of the previous coating may be necessary.

For surfaces prepared by water jetting/blasting, the SSPC-Vis 4(1)/NACE No.7 standards for surface cleanliness should be followed.

The visual surface cleanliness must conform, at minimum, to the Vis WJ-4 condition directly after water jetting/blasting.

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Surface Preparation Standards

Condition of Surface	ISO 8501-1	SSPC	NACE
White Metal	Sa 3	SP 5	1
Near White Metal	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	SP 7	4
Hand Tool Cleaning Rusted	C St 2	SP 2	-
Pitted & Rusted	D St 2	SP 2	-
Power Tool Cleaning Rusted	C St 3	SP 3	-
Pitted & Rusted	D St 3	SP 3	-

TINTING

Do not tint.

APPLICATION CONDITIONS

Temperature: 35°F (1.7°C) minimum, 120°F (49°C) maximum (air, surface)
At least 5°F (2.8°C) above dew point 50°F (10°C) minimum for material
Relative Humidity: 30% minimum, 95% maximum

ORDERING INFORMATION

Packaging 1 gal and 5 gal

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.
Published technical data and instructions are subject to change without notice.
Contact Infinite Coatings for additional technical data and instructions.

WARRANTY

Infinite Coatings warrants our products to be free of manufacturing defects in accord with applicable Infinite Coatings quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Infinite Coatings. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY INFINITE COATINGS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

PRODUCT INFORMATION

RECOMMENDED SYSTEMS

Dry Film Thickness / ct.

Mils (Microns)

Concrete:

1 ct. Anti-Graffiti Coating 6.0-9.0 (150-225)

Previously Painted Surface:

1 ct. Anti-Graffiti Coating 6.0-9.0 (150-225)

The systems listed above are representative of the product's use, other systems may be appropriate.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of Infinite Coatings. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult Infinite Coatings to obtain the most recent Product Data Information.

SURFACE PREPARATIONS

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Masonry:

For surfaces prepared by water jetting/blasting, the SSPC-Vis 4(1)/NACE No.7 standards for surface cleanliness should be followed.

The visual surface cleanliness must conform, at minimum, to the Vis WJ-4 condition directly after water jetting/blasting.

Previously Painted:

If previously painted surface is in sound condition, clean surface of all foreign material. Smooth, hard or glossy coatings should be dulled by abrading the surface. Apply a test area, allowing to dry one week before testing adhesion. If adhesion is poor, or if this product attacks the previous finish, removal of the previous coating may be necessary.

Surface Preparation Standards

Condition of Surface	ISO 8501-1	SSPC	NACE
White Metal	Sa 3	SP 5	1
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APPLICATION BULLETIN

APPLICATION CONDITIONS

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APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Clean Up.....Mineral Spirits or Naphtha

Airless Spray

Pressure.....3200 - 3600 psi

Hose3/8"

Tip0.13" – .017"

Filter60 mesh

ReductionMineral Spirits – up to 5% as needed

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Brush

- Brush.....Natural Bristle
- ReductionNone required
- Roller
- Cover3/8" – 1/2" woven with solvent resistant core
- ReductionNone required

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance. Equivalent application equipment may be substituted for the above recommendations. Published technical data and instructions are subject to change without notice. Contact Infinite Coatings for additional technical data and instructions. If specific application equipment is not listed above, equivalent equipment may be substituted.

APPLICATION BULLETIN

APPLICATION PROCEDURES

Surface preparation must be completed as indicated. Application of coating outside of the listed parameters may adversely affect coating performance.

Mixing Instructions: Mix coating thoroughly with low speed power agitation prior to use. Apply paint at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	8.0 200	12.0 300
Dry mils (microns)	6.0 150	9.0 225
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Theoretical coverage sq ft/gal
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Drying Schedule @ 10.0 mils wet (250 microns):

@ 40°F/4.5°C @ 77°F/25°C @ 120°F/49°C
50% RH

To touch: 9 hours 1 hour 30 minutes

Tack free: 12 hours 4 hours 1 hour

To cure: 21 days 7 days 4 days

Drying time is temperature, humidity, and film thickness dependent.

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with Mineral Spirits. Clean tools immediately after use with Mineral Spirits. After cleaning, flush spray equipment with Mineral Spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using Mineral Spirits.

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PERFORMANCE TIPS

Graffiti Removal from Surface Coated with B97C00150: Power wash with 3000-psi pressure washer (25 feet of hose) having a 15-degree tip at 2-3 inches away from the surface. Graffiti can also be removed with by solvent wiping or acceptable graffiti removers. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. Excessive reduction of material can affect film build, appearance, adhesion, and performance. In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with Mineral Spirits or Naphtha.

Coating Material is sensitive to water. Use water traps in all air lines. Moisture contact can induce curing and, hence, the plugging of the equipment. Re-seal open containers if prolong work stoppage occurs.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Refer to Product Information sheet for additional performance characteristics and properties.

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