



Protective & Marine Coatings

ANTI-GRAFFITI COATING 1K SILOXANE

CLEAR

B97C00150

Revised February 3, 2017

PRODUCT INFORMATION

9.54

PRODUCT DESCRIPTION

Anti-Graffiti Coating is a one-component, non-sacrificial, ready-to-use siloxane coating that cures with atmospheric moisture. Intended for use over properly prepared concrete surface.

- Excellent graffiti resistance
- Excellent cleanability with either water power-washing, or solvent wipe
- Excellent UV resistance
- Excellent adhesion
- 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 | 12.0 |
| Dry Mil (microns) | 6.0 | 9.0 |
| Coverage | 128 - 192 sq ft/gal approximate | |

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):

| | @ 35°F/1.6°C | @ 77°F/25°C 50% RH | @ 120°F/49°C |
|-------------------|--------------|-----------------------|--------------|
| 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.

| | |
|--------------------------|--|
| Flash Point: | >100°F, TCC |
| Reducer/Clean Up: | Mineral Spirits – up to 5% as needed for spray application |
| Clean Up: | Mineral Spirits or Naphtha |
| Shelf Life: | 12 months, unopened Store indoors at 40°F to 100°F. |

RECOMMENDED USES

Use over interior or exterior concrete surface that needs protection from graffiti defacing

- Bridge Abutments
- Commercial Buildings
- Schools
- Transit Stations
- Overpasses
- New Construction

PERFORMANCE CHARACTERISTICS

Performance:

1 ct. Anti-Graffiti Coating

| Test Name | Test Method | Results |
|------------------------------|-------------|------------------|
| Adhesion | ASTM D6677 | Passes, Rating 8 |
| Cleanability level I* | ASTM D7089 | Passed |

*Graffiti remove with high pressure cold water wash

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, pinholing, discoloration or other coating degradation upon casual examination



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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 |
| Porous/Rough Concrete and Masonry | | |
| Seal with | | |
| 1 ct Anti-Graffiti Coating Reduced 10% with min. spirits | | |
| 1 ct Anti-Graffiti Coating | 6.0 - 9.0 | 150-225 |

The systems listed above are representative of the products use, other systems may be appropriate.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material. Any paint that is peeling, flaking, cracking, blistering or lifting must be removed 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 SSSP-SP WJ4 (NACE WJ4) condition directly after water jetting/blasting.

| Surface Preparation Standards | | | | |
|-------------------------------|-----------------|----------|------|------|
| Condition of Surface | ISO 8501-1 | BS709:A1 | SSPC | NACE |
| White Metal | Sa 3 | SP 5 | 1 | 1 |
| Near White Metal | Sa 2.5 | SP 10 | 2 | 2 |
| Commercial Blast | Sa 2 | SP 6 | 3 | 3 |
| Brush-Off Blast | Sa 1 | SP 7 | 4 | 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: 40°F minimum, 120°F maximum (air, surface)
At least 5°F above dew point
50°F 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 your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams 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 Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

DISCLAIMER

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APPLICATION BULLETIN

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SURFACE PREPARATIONS

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Concrete and Masonry:

For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 2-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners.

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.

APPLICATION CONDITIONS

Temperature: 40°F minimum, 120°F maximum (air, surface)
At least 5°F above dew point
50°F minimum for material

Relative Humidity: 95% maximum

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 compatible with the existing environmental and application conditions.

Clean Up.....Mineral Spirits or Naphtha

Airless Spray

Pressure.....3200 - 3600 psi
Hose3/8"
Tip013" – .017"
Filter60 mesh
Reduction.....Mineral Spirits – up to 5% as needed

Brush

Brush.....Natural Bristle
Reduction.....None required

Roller

Cover3/8" – 1/2" woven with solvent resistant core
Reduction.....None 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.

Surface Preparation Standards

| Condition of Surface | ISO 8501-1 BS7079:A1 | 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 | - |
| Rusted | C St 3 | SP 3 | - |
| Power Tool Cleaning | Pitted & Rusted D St 3 | SP 3 | - |



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APPLICATION PROCEDURES

Application of coating outside of the listed parameters may adversely affect coating performance.

Surface preparation must be completed as indicated.

Mixing Instructions: Mix paint thoroughly by boxing and stirring before use.

Apply paint at the recommended film thickness and spreading rate as indicated below:

Mixing Instructions: Mix paint thoroughly to a uniform consistency with slow 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 | 12.0 |
| Dry mils (microns) | 6.9 | 9.0 |
| ~Coverage sq ft/gal (m ² /L) | 128 - 192 sq ft/gal approximate | |

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):

| | @ 35°F/1.6°C | @ 77°F/25°C 50% RH | @ 120°F/49°C |
|------------|--------------|-----------------------|--------------|
| 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

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, overthinning, climatic conditions, and excessive film build.

To seal rough/porous concrete or masonry surfaces follow the recommended sealing guidance in the system recommendations section.

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

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.

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

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