Si-COAT® 532AG™

Remarkable® Low VOC Anti-Graffiti Coating - Clear

KEY FEATURES

Si-COAT® 532AG™ Remarkable® Low VOC (Volatile Organic Compound) Anti-Graffiti Protective Coating is a clear, semi-gloss, permanent (non-sacrificial) one coat antigraffiti protective coating. It is suitable for use over metal, concrete, brick, stone, wood, fiberglass and pre-existing coatings. **Si-COAT® 532AG™** meets the VOC limits set out by California's South Coast Air Quality Management District (SCAQMD) for reduced environmental impact. This single component, room temperature vulcanizing (RTV), moisture cure polysiloxane anti-graffiti protective coating provides excellent durability and long service life. It can easily be applied using brush, roller or airless spray equipment.

As a result of its specific chemistry, **Si-COAT® 532AG™** Remarkable Low VOC forms chemical bonds with the host surface to enhance adhesion properties without the need for abrasive blasting, priming, and extensive site preparation. Due to the hydrophobicity of the coating, most graffiti-tagging can easily be removed from protected surfaces using water under low pressure. For best results, graffiti tagging should be removed from **Si-COAT® 532AG™** as soon as possible using a cold water pressure washer at 1200 psi.

PRODUCT CHARACTERISTICS AND PRACTICAL INFORMATION

Gloss Level	Semi-Gloss
Volume Solids	94%
VOC	53 g/liter
Typical Thickness Application Rate	7 ± 2 mil (127 to 229 µ) dry film thickness (DFT).
	5 to 10 mil (135 to 243 µ) wet film thickness WFT).

APPROXIMATE THEORETICAL COVERAGE:

DFT	5 mils (127 µ)	9 mil (229 µ)
sq. ft/US gal	302	167
sq. m/L	7.4	4.1

Allow appropriate loss factor:
Practical Coverage = Theoretical Coverage x [100% - Loss%].
Coverage will vary with the substrate and porosity of surface.

Method of Application: Airless spray, brush or roller

Application Temperature Range: 41 to 140°F (5 to 60°C) [ambient]

Drying Time:

Skin-over Time	45-60 minutes*
Tack-Free Time	60-90 minutes*
Cure Through	4 to 6 hours*
Full Physical Characteristics	7 days*

**At standard conditions [77oF (25oC) and 50% relative humidity – 10 mils wet film thickness].*

REGULATORY DATA

Flash Point	190°F (88°C) mínimum
VOC	0.44 lb/US gallon (53 g/liter)

PHYSICAL PROPERTIES

(Typical properties - values not to be used as specifications)

Uncured	
Appearance	Thick Paint
Viscosity	2000 ± 1000 cP
Cure System	Neutral, moisture cure
Cured at standard conditions* for 7 days	
Durometer Hardness (ASTM D2240, Shore A)	33 points
Tensile Strength (ASTM D412)	100 psi (7 kg/cm^2)
Elongation at break (ASTM D412)	100%
Temperature Stability Continuous:	-60 a 200ºC (-76 a 392ºF)

**At standard conditions 77oF (25oC) and 50% relative humidity.*

SURFACE PREPARATION & CLEANLINESS

All surfaces to be coated should be free of dirt, dust, chalking paint, mortar spatter, all loose rust, all loose mill scale, old caulking, grease, oil, release agents, curing compounds, laitance and other foreign matter including frost.

APPLICATION

Mixing: Si-COAT® 532AG™ is supplied as a one-part coating (no component mixing necessary). However, since the coating is a thixotropic gel it is necessary to **mix by a powered agitator (300 – 400 rpm) for a minimum of 5 minutes,** to ensure an even consistency of coating is obtained without air in suspension.

Application: All surfaces should be clean and dry prior to application. The coating should be applied in a manner that prevents runs, sags, drips, spills, etc. and that completely covers surfaces without holidays (gaps). The temperature of the surface to be coated should be between 41°F and 140°F (5°C and 60°C) and environmental & substrate temperature should be at least 5°F (3°C) above the dew point prior to and during application.

When working with **Si-COAT® 532AG™** in high humidity and/or high temperature environments, it is recommended to use a pail lid adapter fitted with an agitator. This will prevent the product from skinning over and curing in the pail during application.

It is recommended that **Si-COAT® 532AG™** is applied using an airless sprayer; however, brush, or roller are also suitable methods of application for small surface areas.It is necessary to apply at a rate that will achieve a minimum of 5 mils (127µ) DFT. Roller and brush application will require multiple coats to achieve desired DFT.

Graffiti Removal: For best results, graffiti tagging should be removed from the **Si-COAT® 532AG™** coating as soon as possible using a cold water pressure washer at 1200 psi. In the instance that graffiti has been left on for a longer time period (greater than 10 days) and is stubborn to remove with cold water then a warm water pressure wash may be necessary.

In the extremely rare instance that stubborn graffiti media (specialty paints with adhesion primers that have been left to cure for extended periods of time) is not removed 100% with warm water then apply a biodegradeable surfactant (dish soap) with a cleaning pad and rinse off immediately.

Note: Before applying cleaner to the coating, test a small patch in an inconspicuous area. Contact CSL Silicones Inc. for information and/or recommendations on which cleaners are most suitable for specific problems.

Thinner: Not recommended.

Equipment Cleaner: CSL 901 Equipment Cleaner, Naphtha or Odorless Mineral Spirits.

Work Stoppages & Restarts: Work stoppages are not recommended with only partial utilization of a container of **Si-COAT® 532AG™**. If work must stop after only a portion of a container of **Si-COAT® 532AG™** is used, seal to minimize air and moisture contact with the coating by covering the surface of the coating with a sheet of polyethylene film, then reseal the container to be airtight.

Upon reopening the container to restart work, peel back the polyethylene film. If curing of the coating has occurred, use a utility knife to cut the cured coating away from the wall of the container. Peel away the cured layer of coating to expose fresh coating underneath.

Clean-up: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with **Si-COAT®** equipment cleaner, naphtha or mineral spirits.

Fully cured coating is environmentally benign (will not harm) and is suitable for landfill disposal. However, always check local environmental regulations before disposal.

PRODUCT CHARACTERISTICS

Surface finish is dependent on application method. Avoid using a combination of application methods whenever possible. Superior aesthetic appearance will be obtained with airless spray application. Condensation occurring during or immediately following application may result in a matte finish.

If over coating **Si-COAT® 532AG™** after prolonged weathering or ageing, ensure the coating is fully cleaned to remove all surface contamination such as dust, grease, oil, salt crystals, traffic fumes, etc. before application of a further coat of **Si-COAT® 532AG™**.

Do not apply to substrate temperatures below 41°F (5°C). When applying **Si-COAT® 532AG™** in confined spaces ensure adequate ventilation and/or respiratory equipment is available. Consult the **Si-COAT® 532AG™** SDS for further details.

Si-COAT® 532AG™ has excellent tolerance to airborne chemical exposure. When severe chemical or solvent splashing/pooling is likely to occur please contact CSL Silicones Inc. for information regarding suitability.

SYSTEMS COMPATIBILITY

Although no primer is needed prior to applying **Si-COAT® 532AG™** to most common substrates, it is recommended to do a quick field adhesion test prior to application.

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given in this document. See Safety Data Sheet (SDS) and the container(s).

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards & regulations.

PACKAGING

Size (unit)	Product Volume	Net Weight	Shipping Weight
1 US gal	3,8 L (1,0 gal)	3,8 kg (8,4 lb)	4,1 kg (9,0 lb)
5 US gal	18,9 L (5,0 gal)	18,7 kg (41,2 lb)	20,5 kg (45,2 lb)
50 US gal	189,0 L (50,0 gal)	187.4 kg (413 lb)	196 kg (432,1 lb)

STORAGE

Shelf Life: 24 months from date of manufacture in the original unopened container below 90°F (32°C). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat or ignition.

Disclaimer
The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this document without first obtaining written confirmation from CSL Silicones Inc. as to the suitability of the product for the intended purpose does so at his/her own risk. The information contained herein has been prepared in good faith to comply with applicable federal and provincial (state) law(s). However, no warranty of any kind is given or implied and CSL Silicones Inc. will not be responsible for any damages, losses or injuries that may result from the use of any information contained herein. While CSL endeavors to ensure all advice it gives about the product (whether in this document or otherwise) is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and ap-plication of the product. Therefore, unless CSL specifically agrees in writing to do so, it does not accept any liability whatsoever or howsoever arising for the performance of the product, or for any consequential loss or damage arising out of the use of the product. Any warranty, if given or specific Terms & Conditions of Sale are contained in CSL's Terms & Conditions of Sale, a copy of which can be obtained upon request. The information contained herein is liable to modification from time-to-time in light of experience and CSL's policy of continuous product improvement. It is the user's responsibility to check that this document is current prior to using the product. This document must not be used for specification writing.

Technical Data Sheet

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