

SpecSil Anti-Graffiti

Permanent anti-graffiti coating system

A one component permanent anti-graffiti coating based on polyorganosiloxanes & contains a select mixture of silicone compounds. The relatively high molecular weight of the silicone ingredients reacts with moisture under the film formation of the coating with excellent adhesion to the surface, thereby improving its weather resistance & breathability. The product cures quickly once applied to dry substrates and exposed to humidity in the air. Curing occurs at the surface and progresses to the substrate based on the available ambient moisture. Complete drying for heavier film builds may require up to 24 hours.

Intended Uses:

SpecSil Anti-Graffiti is designed as permanent anti-graffiti coating for the protection of concrete, masonry, wood & pre-existing coatings. The cured coating creates a barrier on walls & substrates applied to, preventing the spray paint used by graffiti artists from penetrating the substrates pores. The coated substrate now provides little adhesion to spray paints, markers & unwanted stickers placed on it, making them easy to remove with a commercially available pressure sprayer.

SpecSil Anti-Graffiti, once cured, not only acts as a preventative anti-graffiti system helping public & private users keep the removal costs of graffiti & stickers low, but it also has high weather resistance properties, protecting the wall or substrate in question from external elements such as the sun, rain & extreme temperatures. SpecSil Anti-Graffiti is a vapour permeable coating that won't block the moisture in the buildings outer wall.

SpecSil Anti-Graffiti shows excellent adhesion to various mineral substrates such as brick, concrete, cement & mortar. This coating system can also be applied to non-mineral substrates such as wood, glass, plastics & metals with the use of a suitable primer.

A Permanent Anti-Graffiti System

Anti-Graffiti systems, depending on their durability, can be broken into 3 categories: temporary, semi-permanent & permanent. If the anti-graffiti system remains intact after at least 20 attacks & subsequent cleaning, the system would be considered a permanent system. Temporary anti-graffiti systems wash off along with the graffiti, the longevity of semi-permanent systems lie somewhere between the two extremes.

SpecSil Anti-Graffiti is a permanent anti-graffiti system and can withstand multiple cleans without loss of performance characteristics, leaving you with a long-term protection system against graffiti attacks & the harsh climate of South Africa.

Areas Where SpecSil Anti-Graffiti Can Be Highly Effective

- Buildings & building facades.
- Electric utility boxes.
- Traffic signs.
- Residential buildings & apartments.
- Schools.
- Pedestrian walkways & bridges.
- Parking lots.
- Train & bus stations.
- Playground equipment

Properties:

- One component product that is easy to apply by brush, roller, or airless spray.
- Single layer application is usually sufficient.
- Provides permanent anti-graffiti protection.
- Easy graffiti & poster removal with a commercially available sprayer.
- Breathable film, permeable to water vapour.
- Able to be pigmented.

Architectural & Decorative: Anti-Graffiti Coatings

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product

- High weather resistance & water repellent.
- Effective on many different building materials.
- Enhances the colour of the surface.

Technical Data:

Colour	Clear or in colours
Finish	Absorbed by the substrate
Density @ 25°C (DIN 51757)	0.98 g/cm ³
Volume Solids	87% (undiluted)
Viscosity, Kinematic (DIN 51562)	5020 mm ² /s
Flash Point (ISO 3679)	54°C
Typical Film Thickness	Not measurable – absorbed into the surface
Theoretical Coverage	17.4 m ² per litre at 50µm DFT (effected by porosity of substrate)
Method of Application	Brush, roller, or airless spray
Number of Coats	Typically, 1 coat
Pack Size	5 & 20 Litre

Surface Preparation:

In general, the following guidelines for preparation should be adhered to. Always consult for a detailed specification.

- The areas to be coated should be dry, firm, solid and free from dust, oil, fats & other contaminants.
- The surface must be free from any fungal growth or algae. Clean with Fungicidal Wash.
- Laitance and loose particles must be removed thoroughly i.e grinding or high-pressure cleaning.

Substrate	Primer	Instruction
Mineral substrates such as plaster, masonry, concrete & brickwork	Generally, no primer is needed.	Ensure concrete has dried for 4 weeks and cement plaster for 2 weeks.
Porous Plaster, Masonry, Concrete & Brickwork	SIMPLY® Bonding Liquid SB or SpecSil Primer Breathable WB	Ensure concrete has dried for 4 weeks and cement plaster for 2 weeks.
Gypsum Plaster (Rhinolite)	SpecSil Primer Breathable WB or Deep Penetrating Primer WB	Ensure plaster has dried for 2 weeks.
Fibre cement board	SpecSil Primer Breathable WB or Deep Penetrating Primer WB	
Mild Steel & Aluminium	SIMPLY® Metal & Rust or SpecNox Anti-Corrosive WB	Clean with Hydrosolve Degreaser and rinse thoroughly with water
Wood	Consult technical department	Consult technical department
Plastic	Epoxy WB GP Primer	Clean with Hydrosolve Degreaser and rinse thoroughly with water
Glass	Epoxy WB GP Primer	Clean with Hydrosolve Degrease and rinse thoroughly with water
Galvanized Iron	SIMPLY® Metal & Rust Primer or SpecNox Anti-Corrosive WB	Clean with Galvanized Iron clear and rinse thoroughly with water
Previously Painted in Good Condition	SIMPLY® Universal Undercoat on glossy enamel surfaces. No primers on acrylic painted surfaces.	Clean with weak solution of Hydrosolve Degreaser and rinse thoroughly with water

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Previously Painted in Poor Condition	If still chalky after preparation prime with SIMPLY® Bonding Liquid SB	Remove any poorly adherent paint by most appropriate means necessary. Clean with a weak solution of Hydrosolve Degreaser and rinse thoroughly with water
Table is for use as a guide. Always ensure that a test patch is done before proceeding with full application		

Mixing:

Mix well prior to use with a flat-bottomed paddle or electrical mixer.

Application:

- Can be applied by brush, roller or airless spray.
- When applying using airless spray equipment, paint can be thinned down by aliphatic hydrocarbon solvents (e.g. White Spirits) prior to use.
- 17 to 31 thou nozzle size for airless spray is recommended. Keep drum covered during application to avoid skinning.
- Pressure should be adjusted to ensure fine atomization.

Storage:

- Shelf Life: 12 months at 25°C from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight, away from sources of heat or ignition.
- Store at temperatures between 5°C and 35°C.

Caution:

- Always consult with technical department if unsure.
- For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.
- Always wear safety clothing / protection. Respirators, eye protection & skin protection.