

Guardian Solvent-Based Anti-Graffiti Coating

Technical Data Sheet

FEATURES

Guardian Solvent-Based Anti-Graffiti (Guardian SB AG) is a solvent based, two component non-yellowing anti-graffiti coating. It is classified as a **non-sacrificial** AG coating, providing permanent protection to the substrate.

Guardian SB AG produces a highly solvent and chemical resistant surface coating. The coating dries to a smooth finish that is easily cleaned if attacked by graffiti.

Guardian SB AG is resistant to moisture and UV, is extremely strong and durable, but is also flexible enough to be used over a variety of substrates.

RECOMMENDED USES

Guardian SB AG is the perfect choice when a long lasting chemical resistant coating is desired for anti-graffiti protection. It may be applied to uncoated or previously painted surfaces, and may also be used on the following substrates:

- Brick and stone
- Concrete
- Cement Render
- Masonry
- Previously Painted Surfaces
- Selected Fibre Cement sheet products
- Steel

SPECIFICATION DATA

Generic Type:	Acrylic Urethane	Volume Solids:	~35% ⁽¹⁾
Finish:	Gloss, Satin, or Matt	Dry Film Thickness:	40-50 µ total
Colour:	Clear or colour	Wet Film Thickness:	110-140 µ ⁽¹⁾
Volume Mix Ratio:	4 parts A : 1 part B	Coverage:	6-7 m ² /litre@50µ DFT
Density:	~0.97 g/cc ⁽¹⁾	Number of coats:	2 coats
Packaging:	1, 5, 10 litre kits	Pot Life:	2-3 hours @ 25°C
Application:	Spray, brush, roller	Touch Dry:	10 mins @ 25°C
Thinner:	Guardian AG Thinner	Dry to Recoat:	6 hours minimum, 24 hours maximum
Cleanup:	Guardian AG Thinner	Hard Dry:	2-3 hours
Storage:	Store under cool dry conditions away from heat and ignition sources	Full Cure:	7 days

⁽¹⁾ Based on Guardian SB AG Gloss Clear Kit

APPROVALS FOR NEW ZEALAND/AUSTRALIA

Compliant with 'Main Roads WA – Specification 908 (Document 6706-02-2238, Issue March 2018) Test Method for Anti-Graffiti Products' Section 5 for 'Method For assessing the effectiveness of Non-Sacrificial Anti-Graffiti Coatings' and 'NZ Transport Agency/Waka Kotahi – Specification NZTA S10 for Anti-Graffiti Coatings – Non-Sacrificial Coating'.

PERFORMANCE

Temperature Resistance:	Up to 130°C dry heat
Abrasion Resistance:	Excellent
Weatherability:	Excellent
Water & Solvent Resistance:	Excellent
Chemical Resistance:	Excellent

DIRECTIONS FOR USE

Ensure all surfaces are clean, dry, and free from contamination, including fungal or algal growth.

Mix 4 parts by volume of Part A with 1 part by volume of part B. Do not shake the components to mix as this will entrap air. Allow to stand for 10 minutes prior to application.

Guardian SB AG may be applied by brush, roller or spray.

If applying by spray, apply coats wet on wet, allowing 5 minutes tack off between thin coats. Ensure that air-lines are free from any moisture otherwise film defects may occur. Apply sufficient coats to achieve a total dry film thickness of 40 - 50µ.

If applying by brush or roller, recoat must occur between 6 - 24 hours of initial application. Application after 24 hours may require the surface to be scuffed otherwise inter-coat adhesion may be diminished.

Provide adequate natural ventilation during use. Wash equipment immediately after use with Gun Wash or Guardian AG Thinner.

Typical Specifications

Surface	Preparation	System	Dry Film Build
Previously painted surfaces, brick, masonry, concrete, cement render, selected fibre cement	Make any repairs, sand, and ensure that surface is clean and free from dust, oils and other surface contaminants.	1. Guardian Universal Primer 2. Guardian SB AG Coating 3. Guardian SB AG Coating	30 - 40µ 20 - 25µ 20 - 25µ
Steel, galvanised metals	Thoroughly scrub the surface to remove any white corrosion products and surface contamination (oil, grease etc). Prepare substrate to SSPC-SP-1.	1. Guardian Universal Primer 2. Guardian SB AG Coating 3. Guardian SB AG Coating	30 - 40µ 20 - 25µ 20 - 25µ

PRECAUTIONS

Check the compatibility of the coating with the surface it is being applied to. **Guardian SB AG** can be applied to previously painted surfaces that are water based acrylics, but not single pack enamels. Some concrete, cement render and masonry surfaces require application of **Guardian Universal Primer**. Ceramic and metals such as stainless steel require application of **Guardian Ceramic Primer**.

When application is to a porous substrate, check the moisture level of the substrate to ensure it within acceptable limits.

Graffiti is to be removed from the surface using **Guardian Graffiti Remover** and **Guardian Shadow Remover**.

**Note: The figures quoted for pot-life and drying times may vary with local conditions - such as ambient temperature and humidity, storage conditions, and volume mixed. If the temperature is high (>25°C), the material is stored in the open, or a large volume is mixed, then the pot-life will be significantly reduced.*

DO NOT apply if temperature is below 10°C or above 38°C or if relative humidity is >85% or rain is imminent.

IMPORTANT! See Safety Data Sheet (SDS) for health and safety information prior to use.

This product is isocyanate catalysed and the necessary precautions must be observed when handling. When sprayed it may be harmful by inhalation. Wear suitable PPE including: clothing, gloves, eye, and face protection, and breathing protection.

GUARDIAN PROTECTIVE COATINGS

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