GRAFFITI SHIELD

TECHNICAL DATA SHEET

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1. Description

GuardIT® Graffiti Shield is an environmentally responsible, water-based anti-graffiti coating designed for high performance. This invisible protective finish safeguards porous surfaces from graffiti, making it ideal for concrete, sandstone, terracotta, brick, natural stone, and masonry.The coating penetrates deeply into both new and existing surfaces, forming a durable barrier that repels water and oil. Its hydrophobic and oleophobic properties prevent the intrusion of water, salts, carbon, and sulphuric acids, significantly reducing moisture-related damage, including corrosion of reinforcing steel, salt leaching, and freeze-thaw cracking. By preventing water ingress, Graffiti Shield protects concrete infrastructure, mitigating the risk of concrete cancer, which can lead to severe damage and potential structural collapse.

2. Key Attributes

- Cost effective
- Natural & invisible in appearance
- Non-sacrificial coating
- Non-hazardous, non-toxic
- Water based, no odour, no VOC
- Anti-carbonation & salt attack protection
- Easy, simple application
- Easy graffiti removal
- Long lasting protection

3. Suitable Surfaces

- Concrete Infrastructure
- Natural Stone
- Bricks
- Masonry
- Sandstone
- Terracotta

Note: There will always be variations, and this list is a guide only. Variations in stone porosity are greatest within the sandstone/limestone categories.

4. Storage & Shelf Life

Please store the unopened container in a cool, dry place, away from direct sunlight, and out of reach of children. For best results, maintain a temperature between 3°C and 30°C during storage and transport.

Use the product within 2 to 4 years under these conditions. Effectiveness may begin to decrease after this period.

5. Coverage Rates

Coverage rates are estimates and should only be used as a guide. Variations in stone porosity, particularly within sandstone and limestone categories, can affect coverage. These rates are valid for all of GuardIT Solutions water-based sealer range.

Type of Material	Coverage for Two Coats – SQM PER L
Basalt / Bluestone	6 M2 – 7 M2
Brickwork	7 M2 – 8 M2
Clay Pavers	7 M2 – 8M2
Concrete Brickwork	5 M2 – 6M2
Concrete Pavers	5 M2 – 7 M2
Granite	10 M2 – 12 M2
Limestone	4 M2 – 7 M2
Marble	12 M2 – 15 M2
Ceramic	8 M2 – 11 M2
Render	5 M2 – 6 M2
Sandstone Soft	4 M2 – 5 M2
Terracotta	4 M2 – 8 M2
Terrazzo	7 M2 – 8 M2
Travertine Honed	8 M2 – 11 M2
Travertine Polished	12 M2 – 15 M2

6. Surface Preparation

Ensure the surface is clean by removing all cement residue with GuardIT Green Acid Replacement. For dirt, oil, mould, and grime, use GuardIT Paving & Concrete Cleaner.

7. Application Instructions

Use as is. Do not dilute. Ensure the surface is dry, clean and free from debris and previous sealants and waxes. Remove any existing stains prior to application. GuardIT Graffiti Shield is a two-coat application system, apply either with an airless pump (garden sprayer) or an airless sprayer with low PSI. It is advised to test the product on a small area prior to full application. There are two applications applicable to Graffiti Shield:

Normal Spray Application	Concrete Infrastructure Application
1. Surface Preparation: Ensure the surface is clean by removing all cement residue using GuardIT Green Acid, as well as dirt, oil, mould, and grime. 2. First Coat Application: Apply an even, wet first coat using a pump spray unit (garden spray unit) over the surface. 3. Second Coat Application: Wait until the first coat is almost dry before applying the second coat with the pump spray unit.	1. Application Technique: Apply the material from the bottom of the panel to the top to ensure any overspray remains on the surface. 2. Coverage Rates: First Coat: For 40 MP concrete, the coverage rate is 8–10 m² per litre. Second Coat: Once the first coat is nearly dry, apply the second coat, which has a coverage rate of 12–15 m² per litre.

8. Curing Period

Do not touch or walk on the surface for at least 4 hours after the second coat. The sealer begins functioning after 24 hours, and fully cures in 14 days. Allow a minimum of 24 hours curing before removing any graffiti that may have been applied after application.

9. Safety

Please ensure that the area being treated is well-ventilated. When applying outdoors, avoid doing so in windy conditions.

- **Inhalation:** No first aid measures normally required. If in doubt, contact a Poisons Information Centre or a doctor.

- **Skin Contact:** Gently blot away excess liquid. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

- **Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed, while holding the eyelid(s) open. No effects expected. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.

- **Ingestion:** If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt, contact a Poisons Information Centre or a doctor.

10. Care & Maintenance

Regularly cleaning surfaces sealed with GuardIT Solutions Sealers will extend their lifespan and keep substrates looking their best. For large commercial or public spaces, the most effective cleaning methods include high-pressure washing, ideally with hot water, or using a ride-on cleaning machine. These methods effectively maintain the substrate without affecting the durability of GuardIT All Stone Sealers. For best results, use only soft brushes, as heavy-duty brushes may compromise slip resistance.

Cleaning Steps:

1. **Pre-clean:** Always vacuum or sweep surfaces before mopping to remove loose debris. An aqua vac is recommended to lift dirty water, preventing water from pooling in grout lines and leaving behind residue.
2. **Cleaning Solution:** Use pH-neutral cleaning products such as GuardIT Eco Degreaser. Avoid any acidic cleaners, especially on natural stone like marble, limestone, or travertine, as they can etch and damage the finish.
3. **Steam Cleaning:** A steam mop is safe for use on sealed surfaces, effectively lifting stains without the need for chemical cleaners.

Spot Cleaning Tips:

- For organic stains (e.g., coffee, tea, wine, oils), apply GuardIT Eco Degreaser or a stain remover, using a poultice such as cotton wool to draw out deep stains if needed.
- For tougher marks like ink or permanent markers, use acetone or similar products, paired with a poultice if necessary, to tackle stubborn stains.

GuardIT Sealers streamline cleaning while protecting surfaces against stains, helping to maintain their appearance and extend their lifespan.

11. Conditions of Sale

As the use of this product is beyond the control of the manufacturer, the purchaser assumes responsibility for loss or injury, however occurring, and shall not hold the manufacturer liable.

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Not classified as a Dangerous Good according to EU criteria. KEEP OUT OF REACH OF CHILDREN.

12. Disclaimer

The information provided regarding GuardIT® Graffiti Shield is for general guidance only. While we strive for accuracy, results may vary based on surface conditions and application methods. It is the user's responsibility to test the product on a small area prior to full application. We recommend following all manufacturer instructions for optimal performance. The manufacturer is not liable for any damages resulting from improper use or application.