



Ultra Graffiti Shield

Ultra-High-Performance
Coating



Ecoclean specialist coatings



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Protecting our World

Ultra Graffiti Shield

ECOCLEAN Ultra Graffiti Shield is a two-component high-performance coating that utilises advanced technology to provide long-term anti-graffiti resistance and easy cleaning performance.



Product Description

A two component air cured ceramic coating that utilises advanced technology to provide long term anti-graffiti, anti-carbonation, sealing and easy cleaning performance for a range of substrates including smooth off form concrete and fibre cement. (Previously known as ecotio2® Ultra GS).

ECOCLEAN Ultra Graffiti Shield provides superior graffiti resistance significantly above the standard APAS1441 Appendix A test method.

Intended Uses

ECOCLEAN Ultra Graffiti Shield is hydrophobic and specially formulated ceramic coating providing optimal performance for internal and external areas including facades, transportation infrastructure such as tunnels and bridges, walls, floors and other surfaces that require protection from graffiti, water ingress and other chemicals. Surfaces that are sealed using ECOCLEAN Ultra Graffiti Shield will ensure ease of cleaning and effective graffiti protection due to the surface properties, resistance to most chemicals and the coatings hydrophobic nature.

Surface Preparation

Please read the ECOCLEAN application guidelines before applying. Clean off oil, dirt and any contaminants including cleaning chemicals. Foreign substances such oil will reduce adhesion of the product and significantly affect performance and durability. Surfaces must be 100% dried prior to application and the moisture content of porous surfaces must be less than 1.5%.

Product Characteristics

Always apply material on a small test patch prior to full application as the coating may change the appearance including colour and/or gloss of the base material. This Product information sheet provides general guidance on the use of ECOCLEAN Ultra Graffiti Shield. Specific project requirements will be dependent upon the substrate type, substrate condition, service end use and environmental conditions. Always consult ECOCLEAN to confirm that ECOCLEAN Ultra Graffiti Shield is suitable for the intended end use.

Storage

Products should be stored in their sealed containers until use. When products are on site store in a cool place and in the shade. Store excess products in an air-conditioned environment regulated between 5-25°C. Do not return excess products to the container, measure out what you require and dispense only what is required for the job at hand. Do not freeze or refrigerate below 5°C.

Industry Standards

Exceeds APAS 1441 appendix A Graffiti removal requirements on smooth off form concrete.

Exceeds Code of Practice for Weathertight Concrete and Concrete Masonry Construction (CCANZ CP 01:2014 section 4.5)

Design life of 30+ years

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Practical Information

Product Code	C041R-A and C041R-B				
Colour	Clear light-yellow liquid (clear when dry, but can change appearance slightly)				
Gloss	Will generally impart some sheen to the surface (the level of gloss is substrate dependant)				
Theoretical Coverage	35-100 g/m²				
Practical Coverage	Depends on application (apply appropriate loss factors)				
Method of Application	Paint Pad, roller or HVLP spray with 3M PPS2 pressure pot				
Density	0.91 kg/m³				
Drying Time				Overcoating interval with self	
Temperature	Touch Dry	Hard Dry	Max Cure	Minimum	Maximum
20°C (68°F)	<1 hours	24 hours	3 days	Contact ECOCLEAN	

Application

Mixing

Mixing Material is supplied in two containers as a unit. Always mix 1:1 as per the proportions supplied. Once the product has been mixed it must be used within the working pot life specified. Keep in airtight container once mixed.

- Agitate Base (Part A) to ensure all product is uniformly dispersed
- Agitate Curing Agent (Part B) to ensure all product is uniformly dispersed
- Combine Curing Agent (Part B) with Base (Part A) and thoroughly mix.

Do not return any unused portion to the container and do not mix lids from Part A and Part B as the product may cure in the container.

Mix Ratio	Working Pot Life
1:1 by volume	30 mins at 20°C (Above 20°C the pot life will be reduced or if exposed to air as this can cause surface skinning)*

*Pot life can be increased if mixture is stored in an airtight container.

Application Equipment

Use dedicated tools for the coating and do not contaminate with other liquids. For small areas a paint pad, roller or brush can be used. Larger areas can be applied by using HVLP equipment with fine tip preferred for minimising loss factors. Tip size of 1.0 – 1.3mm (HVLP) is preferred as viscosity of products is that of water. Thinner should NOT be required. When applying, ensure that there are no streaks or drips and apply in small areas at a time.

Work Stoppages

Do not allow material to remain in hoses, guns or spray equipment for extended periods. Thoroughly flush all equipment with isopropyl alcohol (IPA).

Clean Up

Clean all equipment immediately after use with isopropyl alcohol (IPA). It is good working practice to flush out spray equipment after the job is complete. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Ultra Graffiti Shield

Regulatory Data

Flash Point (Typical)	12°C
VOC	802 g/L*

**Product is solvent based but over the life of the asset provides many positive environmental benefits including less cleaning chemicals, water use, extended life of materials, reduced cleaning costs plus more.*

Safety Precautions

Make sure the work area is ventilated and there are no fire or ignition sources as UGS is solvent based and flammable.

Avoid contact with skin. Correct personal protection equipment must be worn.

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Safety Data Sheet (SDS) and the container(s) and should not be used without reference to the SDS which are available on request. Ensure you contact ECOCLEAN if you require any information before starting application.

Guidelines must be strictly followed including correct personal protection equipment (PPE), storage and disposal.

Systems Compatibility

ECOCLEAN Ultra Graffiti Shield is designed to be applied after the surface has been cleaned and prepared for the application.

For very porous Cementous surfaces ECOCLEAN Stain block should be consider as a primer before applying ECOCLEAN Ultra Graffiti Shield, however, you must consult our ECOCLEAN team for a project specific specification prior to quoting or commencing any application.

Additional Information

Shelf Life: 12 months when stored in dark or low light conditions between 5–25°C (ideally this product should be stored in an airconditioned environment).

Part A Pack Size: 1,2,5 & 10L pack

Shipping Weight (typical): 1–10kg

Part B Pack Size: 1,2,5 & 10L pack

Shipping Weight (typical): 1–10kg

Further information regarding industry standards, terms and Abbreviations used in this data sheet can be found in the following documents available on request:

- ECOCLEAN Ultra Graffiti Shield Safety Data Sheet (refer to both Part A and Part B)
- Application Guidelines – Clean and Protect Shield (these guidelines are applicable for ECOCLEAN Ultra Graffiti Shield)

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