

Product Description

A two component ultra-high performance coating that utilises advanced technology to provide long term anti-graffiti, sealing and easy cleaning performance for a range of substrates including smooth off form concrete and fibre cement.

ecotio₂[®] Ultra GS provides superior graffiti resistance above the standard APAS1441 Appendix A test method.

Intended Uses

ecotio₂[®] Ultra GS is hydrophobic and specially formulated to provide optimal performance for internal and external areas including facades, transportation infrastructure such as tunnels and bridges, walls and floors and other surfaces that require protection from graffiti, water ingress and other chemicals.

Surfaces that are sealed using with ecotio₂[®] Ultra GS will make cleaning and graffiti removal significantly faster and more cost effective due to the surface properties, hydrophobic nature and sealing of pores on the surface of the substrate.

Practical Information

Product Code	C041R-A and C041R-B
Colour	Milky white liquid (clear when dry)
Gloss	Will generally impart a sheen to the surface (the level of gloss is substrate dependant)
Theoretical Coverage	20-100 g/m ²
Practical Coverage	Depends of application (apply appropriate loss factors)
Method of Application	Paint Pad, roller, brush or spray
Density	0.91 kg/m ³

Temperature	Drying Time			Overcoating interval with self
	Touch Dry	Hard Dry	Max Cure	
20°C (68°F)	6 hours	24 hours	3 days	Contact Photocatalyst Coatings

Regulatory Data

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

Surface Preparation

Please read and understand ecotio₂[®] application guidelines before applying.

Clean off oil, dirt and any contaminants including cleaning chemicals. Any cleaning chemicals must be completely neutralised. Foreign substances such oil will reduce adhesion of the product and significantly affect performance and durability.

Surface must be 100% dried prior to application and the moisture content of porous surfaces must be less than 1.5% as ecotio₂[®] Ultra GS is moisture sensitive while curing.

Application

Mixing

Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified.

- Agitate Base (Part A) to ensure all product is uniformly dispersed
- Agitate Curing Agent (Part B) to ensure all product is uniformly dispersed
- Combine entire content of 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	60 mins at 20°C (Above 20°C the pot life will be reduced or if exposed to air as this can cause surface skinning)

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 a HVLP warm air low pressure equipment with fine tip preferred for minimising loss factors. Tip size of 0.5mm 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. Ensure product is worked into all surfaces.

Work Stoppages

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

Clean Up

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

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 technical datasheet provides general guidance on the use of ecotio₂[®] Ultra GS. Specific project requirements will be dependent upon the substrate type, substrate condition, service end use and environmental conditions. Always consult Photocatalyst Coatings to confirm that ecotio₂[®] Ultra GS is suitable for the intended end use. Application should be controlled according to the specification as over application can cause cracking.

Note: if solvent is applied during curing then coating defects may occur including peeling, shrinkage, and blistering.

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.

Systems Compatibility

ecotio₂[®] Ultra GS is designed to be applied after the surface has been cleaned and prepared for the application.

For very porous surfaces ecotio₂[®] Sealer AG should be consider as a primer before applying ecotio₂[®] Ultra GS, however, you must consult Photocatalyst Coatings for a project specific specification prior to quoting or commencing any application.

Safety Precautions

Make sure the work area is ventilated and there are no fire sources as product 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 from our website on the internet (www.ecotio2.com) or on request. Ensure you contact Photocatalyst Coatings if you require any information before starting application.

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

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 air-conditioned environment).

Part A Pack Size: 500 ml pack	Shipping Weight (typical): 0.6 kg
Part B Pack Size: 500 ml pack	Shipping Weight (typical): 0.6 kg

Further information regarding industry standards, terms and Abbreviations used in this data sheet can be found in the following documents available at www.ecotio2.com:

- ecotio₂[®] Ultra GS Safety Data Sheet (refer to both Part A and Part B)
- ecotio₂[®] Ultra C Application Guidelines (these guidelines are applicable for ecotio₂[®] Ultra GS)

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