

Product Description

Water based ultra-high performance ion exchange catalyst coating that utilises doped nano carbon technology to provide long term anti-bacteria, anti-virus, and anti-fungal performance even in low light and low temperature conditions.

ecotio₂[®] Ultra AV breaks down and deactivates viruses and bacteria on contact.

Intended Uses

ecotio₂[®] Ultra AV is a water-based coating that is easy to apply and can be utilised on a wide range of surfaces to improve health including greatly reducing the risk of spreading contagious diseases while significantly improving the indoor air quality.

A very thin layer of the invisible coating is applied to the surface which it protects from viruses, bacteria, and other harmful substances (the products have been extensively tested for performance to very strict standards by third party laboratories).

The coating can be used on metals, plastics, wood, glass, fabrics, painted surfaces, and many more substrates.

The multiple benefits can be used in many different areas on the following asset types; (1) Government and Council assets, (2) Schools, Universities and Childcare, (3) Aged Care and Retirement Living (4), Restaurants, Cafes and food courts, (5) Food processing and production (6) Clubs, Restaurants and Pubs, (7) Commercial Buildings and Strata Living, (8) Hotels and Resorts, (9) Retail, Cinemas, Gyms, Museums and Entertainment venues, (10) Correctional Centres and (11) Hospitals and Medical Centres.

Practical Information

Product Code	C039AV
Colour	Pale yellow transparent liquid (clear when dry)
Gloss	Not applicable at typical thicknesses
Theoretical Coverage	20-30 g/m ²
Practical Coverage	Depends of application (apply appropriate loss factors)
Method of Application	Spray, brush, or paint pad
Flash Point	Not applicable as water based
VOC	<1 g/l
Density	1.02 kg/m ³

Temperature	Drying Time			Overcoating interval with self
	Touch Dry	Hard Dry	Max Cure	
20°C (68°F)	6 hours	12 hours	24 hours	Contact Photocatalyst Coatings

Surface Preparation

Clean off oil, dirt and any containments including cleaning chemicals. Foreign substances such oil will reduce adhesion of the product and significantly affect performance and durability. Surface must be thoroughly dried prior to application.

Application

Spray Equipment

Electric HVLP spray equipment with a fine tip is the preferred for thin film control and to minimise loss factors. Tip size between 0.3mm to 0.5mm. Do **NOT** thin. Care should be taken not to apply a too heavy coat in a single pass to prevent runs and overbuild. ecotio[®] Ultra AV should be applied evenly and not have runs. Small areas such as door handles, handrails, buttons etc can be applied by brush ensuring a nice even coat in a single motion.

The product must be allowed to dry before contact or being exposed to moisture, detergents, or solvents (recommended is 4-6 hours depending on conditions and end-use).

Clean Up

Clean all equipment immediately after use with clean water. Use clean water only. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Product Characteristics

This technical datasheet provides general guidance on the use of ecotio₂[®] Ultra AV. 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 AV is suitable for the intended end use. Application should be controlled according to the specification including substrate, coverage, and application method.

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 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.

Safety Precautions

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. 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).

Pack Size: 10kg

Shipping Weight (typical): 10.2 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:

ecotio[®] Ultra AV safety sheet
ecotio[®] Ultra AV Antivirus brochure

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