

Product Description

Water based ultra-high performance ion exchange catalyst coating that provides long term anti-bacteria, anti-virus, and anti-fungal performance even in the dark and low temperature conditions. (Previously known as ecotio₂[®] Ultra AV).

ECOCLEAN Antiviral Coating breaks down and deactivates viruses and bacteria on contact and also helps to improve IAQ.

Intended Uses

ECOCLEAN Antiviral Coating 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 as it is working all the time to deactivate viruses and bacteria.

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 strict standards by third party laboratories). The coating can be used on metals, plastics, wood, glass, fabrics, painted surfaces, and many more substrates. Typical application is to touch points, office furniture, lifts, receptions, tables etc.

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 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	15-30 g/m ²
Practical Coverage	Depends of application (apply appropriate loss factors)
Method of Application	Spray, brush, or cloth
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)	30 mins	6 hours	24 hours	Contact ECOCLEAN

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.

Please contact our ECOCLEAN team for detailed surface preparation as the exact method depends on surface properties including porosity, water repellency and substrate.

Application

Spray Application

HVLP spray equipment with a fine tip is the preferred for thin film control and to minimise loss factors. Tip size between 0.3mm. Care should be taken not to apply a too heavy coat in a single pass to prevent runs and overbuild. ECOCLEAN Antiviral Coating should be applied evenly and not have runs. Small areas such as door handles, handrails, buttons etc can be applied by brush or suitable cloth ensuring a nice even coat in a single motion.

Hand Application

Hand application for small areas like door handles, tap handles and lift buttons using microfibre cloth. Apply a thin film by wiping. Do not apply too wet to avoid leaving run marks.

The product must be allowed to dry fully before contact or being exposed to moisture (recommended is 6+ hours depending on conditions and end-use). The use of a heat gun can help to reduce drying time enabling areas to be used quicker.

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.

(Note: depending on surface properties, the addition of a small amount of surfactant may be required)

Product Characteristics

This technical datasheet provides general guidance on the use of ECOCLEAN Antiviral Coating. 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 Antiviral Coating 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 (preferably in the dark) until use. When products are on site store in a cool place and in the shade/dark.

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 our ECOCLEAN team 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 between 5-25°C (ideally this product should be stored in an air-conditioned environment).

Pack Size: 10 kg

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 on request:

- ECOCLEAN Antiviral Coating Safety Data Sheet

The information on this data sheet is not exhaustive, please contact us for more information. All products supplied and technical given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous improvement. It is the user's responsibility to check that this data sheet is current prior to using the product. ECOCLEAN and all products mentioned in this publication are registered trademarks.