

Product Description

ECOCLEAN Barrier Coating is a high-performance water based, inorganic barrier coat used as the first layer prior to application of the photocatalyst coating. (Previously known as ecotio₂[®] Sealer S).

Intended Uses

It is specifically formulated for use on high-end commercial and residential, transportation infrastructure and iconic assets where superior appearance and reduced maintenance costs are important. Suitable surfaces include coated concrete, brickwork, masonry, or fibre cement (and other boards) that have been painted or treated with ECOTONE Matt (or similar) high performance stains.

Used as the first coating of a 2-part coating system. The full system imparts multiple benefits including self-cleaning, air purifying, deodorising, antiviral, anti-fungal and anti-bacterial. When used as part of a system, the ECOCLEAN coated surface is photo oxidising when exposed to daylight, so will neutralise organic pollutants, soot, oils and smog that collide or deposit on this coated surface. Organic growths such as mould and black algae streaking will be inhibited keeping the surface looking good for many years.

Practical Information

Product Code	S025S
Colour	Colourless clear liquid
Gloss	Minimal change in gloss level
Theoretical Coverage	30-40 g/m ² (*Note: Allow appropriate loss factors - see below)
Method of Application	HVLP spray equipment (recommended)**
Density	1.04 kg/m ³

Drying Time		Overcoating interval with self	
Temperature	Touch Dry	Minimum	Maximum
20°C (68°F)	10 mins	10 mins**	8 hours

*Practical coverage will vary as loss factors are dependent on many influences including weather conditions, porosity of substrate, application method and parameters, skill of applicator etc. **See application guide. NOTE: Surfaces should not be coated if rain is forecast or water exposure is likely within 6 hours.

Regulatory Data

Flash Point (Typical)	Not applicable
VOC	<1 g/lit

Surface Preparation

Remove loose foreign matter from surface by brooming with stiff bristle broom or low-pressure power washing. Prior to application ensure surface is dry and free from all contaminants including, but not limited to:

- loose materials (such as dirt, dust etc), oils, grease, silicones, chemicals including acids and alkalis, rust and rust staining, cement slurry runs, mineral salts (such as lime), mould, fungus, and bird droppings.

The surface should be completely dry before application of ECOCLEAN Barrier Coating.

Application

Spray Equipment

HVLP spray equipment should be used to apply this product. Tip size should be 0.5mm to 0.8mm depending on the scope of works. Airless spray equipment (with a small tip) can be used in some circumstances, but please consult our ECOCLEAN team regarding each specific application to check suitability.

Care should be taken not to apply a too heavy coat in a single pass to stop runs and overbuild. For dark and vivid colours, a test area should be applied to check appearance of the complete system as some colour change may be observed (it is best practise to apply a test area of full system on all projects in an inconspicuous area or an area to be covered. If system not invisible in test area, contact the ECOCLEAN team to further discuss). Avoid spraying in high wind or on rain effected wet surfaces or when rain is expected within 6 hours.

Work Stoppages

Do not allow material to remain in hoses, guns or spray equipment for extended periods. Thoroughly flush all equipment with clean water. It is good working practice to periodically flush out spray equipment.

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 ECOCLEAN Barrier Coating. Specific project requirements will be dependent upon the substrate type, substrate condition, service end use and environmental conditions. Always consult our ECOCLEAN team to confirm that ECOCLEAN Barrier Coating 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 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

Suitable topcoats:

- ECOCLEAN Self-Cleaning Coating (externals)
- ECOCLEAN Anti-Odour Coating

Please refer to specific TDS for more information of the above products or contact our ECOCLEAN team for more information.

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 and the container(s) and should not be used without reference to the Safety Data Sheet (SDS) which are available on request. Ensure you contact our ECOCLEAN team if you require any information before starting 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 air-conditioned environment).

Pack Size: 10 kg pack

Shipping Weight (typical): 11.25kg

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

- ECOCLEAN Barrier 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.