

Product Description

ECOCLEAN Porosity Sealer is a non-hazardous, inorganic porosity sealer providing concrete protection from atmospheric carbonation and water ingress. (Previously known as ecotio₂[®] Sealer E10 / ecotio₂[®] Sealer E).

Intended Uses

It is specifically designed for use on high end commercial and residential, transportation infrastructure and iconic assets where superior appearance and reduced maintenance costs are important. Suitable substrates include off-form concrete, brickwork, masonry, and ECOTONE Minsil coated surfaces.

Used as the first coating of a 2-part coating full system, ECOCLEAN Porosity Sealer imparts multiple benefits including self-cleaning, air purifying, deodorising, anti-fungal and anti-bacterial, UV protection and anti-carbonation. 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.

Practical Information

Product Code	S026E10
Colour	Milky white liquid (almost clear when dry)
Gloss	Minimal change in gloss level
Theoretical Coverage	50-100 g/m ² (allow appropriate loss factors)
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	20 mins**	2 days

*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.*

Regulatory Data

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

Surface Preparation

Rub surface with a masonry block or scrape with a 15-20cm floor scraper to remove any mortar fins or protrusions. Remove loose foreign matter from block 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.

If substrate requires removal of contaminants, then a suitable surface cleaner should be used such as ECOTONE Concrete Surface Cleaner or similar.

Application

Spray Equipment

HVLP spray equipment with fine tip preferred for minimising loss factors. Tip size between 0.5mm to 1.0mm, depending on scope, of work as viscosity of products is that of water. Airless spray equipment (with small tip size) can be used for faster application; however, loss factors will generally be higher. Care should be taken not to apply a too heavy coat in a single pass to stop runs and overbuild. 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 or spray equipment for extended periods. Thoroughly flush all equipment with clean water.

Clean Up

Clean all equipment immediately after use with clean water. Use clean water only. 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

This technical datasheet provides general guidance on the use of ECOCLEAN Porosity Sealer. 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 Porosity Sealer 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 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
- 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 Porosity Sealer Safety Data Sheet
- Application Guidelines – For External Buildings

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