

Product Description

ecotio₂[®] Sealer AG+ is a high-performance, high solids, inorganic porosity sealer providing concrete with anti-graffiti properties and protection from water ingress.

Intended Uses

It is specifically designed for use on high end commercial and residential, retail, educational building, transportation infrastructure and iconic assets where superior appearance and reduced maintenance costs are important.

Suitable substrates include off-form concrete, brickwork, masonry and ECOTONE coated surfaces.

ecotio₂[®] Sealer AG+ protects the surface by sealing the pores and imparting graffiti resistance (in accordance with the APAS1441 appendix A), while having minimal impact on the appearance and gloss level.

Practical Information

Product Code	S024AG+
Colour	Milky white liquid (almost clear when dry)
Gloss	Minimal change in gloss level
Theoretical Coverage	30- 80 g/m ² (based on undiluted product) (Note: Product must be diluted before application)
Practical Coverage	Application and substrate dependant
Method of Application	HVLP spray equipment (recommended) [#]
Density	1.11 kg/m ³

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

**Allow for appropriate loss factors for practical coverage. Loss factors are dependent on many influences including weather conditions, porosity of the substrate, application method and parameters, skill of applicator etc. **See application guide as the above are guidelines, but times can vary depending on application conditions and substrate. The key point is that the surface is touch dry and absorbed.*

Regulatory Data

Flash Point (Typical)	Not applicable
VOC	<5 g/ltr

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

Product must be diluted accordingly prior to application (typically between 1:2 and 1:4 with water, but depends on substrate porosity and properties required)

Brush is not recommended, use for small areas only. Electric HVLP spray equipment with fine tip preferred for minimising loss factors. Tip size between 0.5mm to 0.8mm as viscosity of products is that of water. Airless spray equipment 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 4 hours. Product can also be applied by roller depending on substrate and design.

Work Stoppages

Do not allow material to remain in equipment for extended periods. Thoroughly flush all equipment with clean water.

Clean Up

Clean all equipment immediately after use with clean water. Good practice is 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 ecotio₂[®] Sealer AG+. 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[®] Sealer AG+ is suitable for the intended end use.

Storage

Products should be stored at below 25°C in their sealed containers until use. When products are on site store in a cool place and in the shade. 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 and the container(s) and should not be used without reference to the Safety Data Sheet (SDS) which are available from our website on the Internet (www.photocatalystcoatings.com) or on request. Ensure you contact Photocatalyst Coatings 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.

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 at www.ecotio2.com:

■ ecotio₂[®] Sealer AG+ Safety Data Sheet

■ Application Guidelines - For Buildings

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