

1 PRODUCT

1.1 FUNCTION

Applied permanent protective coating for glass and other vitreous surfaces to reduce maintenance and cleaning and eliminate environmental etching.

1.2 DESCRIPTION

EnduroShield for Glass uses advanced nano technology to give an invisible protective shield that chemically reacts with the glass to produce a permanent bond.

The hydrophobic and oleophobic nature of the EnduroShield coating repels both water and oil containing grime making cleaning easier and less regular. EnduroShield unlike straight silicone coatings protects against both oil and water based contaminants not just water based.

1.3 ATTRIBUTES

- Works on new or existing glass.
- Once only application: permanently bonds to the glass
- Protects against corrosion and etching from contaminants including sea salts, pollution and concrete slurry.
- Surface is much easier to clean.
- Coating is UV stable.
- Normal rainfall will reduce the need to clean.
- Maintenance costs are significantly reduced.
- Australian Made Product.

1.4 Material Composition

Entity	CAS No.	Proportion %	TWA mg/m ³	STEL mg/m ³
Ethanol	64-17-5	>60	1880	Not Set
Other non hazardous ingredients	Secret	to 100	Not Set	Not Set

This is a commercial product whose exact ratio of components may vary.

2 PRODUCT NAME AND SUPPLIER

2.1 Name of Product

EnduroShield for Glass

2.2 Product Manufacturer

PCT Global Pty Ltd
3/21 Bearing Road
Seven Hills NSW
+61 (2) 8847 3072

2.3 Product Supplier

Origen Australia
+61 (2) 9674 9299
www.enduroshield.com

3 PERFORMANCE

3.1 Permanency

Chemically reacts with glass to produce a permanent bond.

3.2 Product Function

Applied permanent protective coating for glass and other vitreous surfaces to reduce maintenance and cleaning and eliminate environmental etching.

3.3 Product Attributes

- Works on new or existing glass
- Once only application: permanently bonds to the glass
- Protects against corrosion and etching from contaminants including sea salts and pollution.
- Protects against cement slurry during the building process
- Surface is much easier to clean.
- Coating is UV stable.
- Normal rainfall will reduce the need to clean.
- Maintenance costs are significantly reduced.
- Australian Made Product.

3.4 Weather and UV

EnduroShield for Glass has now been exposed to UV testing for approximately 10,000 hours with minimal or no change to its properties. In order to accelerate testing the panels are placed facing due north at an angle of 45°. EnduroShield has lost none of its properties after 24 months of exterior exposure.

3.5 Adhesion to Substrate

EnduroShield is not a traditional coating that sits on the glass, but chemically bonds, becoming a permanent extension to the surface.

4 APPLICATION

4.1 Application Method

Applied at factory or insitu on site by trained, approved and certified applicator.

4.2 Rate of Application

Minimum 16ml per/m²

4.3 Applied Thickness

Less than 1 micron

4.4 Approved Application

Product must be applied by an applicator trained, approved and certified by PCT Global Pty Ltd.

5 WARRANTY

5.1 Warranty

10 years on new glass when applied to new glass by Approved Applicator in accordance with Manufacturers instructions and recommendations.