EnduroShield

Up to 90% Less Cleaning





SOLAR PANELS:

ENDUROSHIELD® PROTECTION FOR GLASS

EnduroShield® for Glass is a permanent non-stick, protective coating for use on all glass surfaces. Using state of the art nanotechnology, EnduroShield acts as a permanent shield to seal the porosity of the glass, allowing contaminants to reside on an easy to clean protective coating. The invisible coating, which is only two molecules thick, protects against staining and etching, making it an ideal solution for glass installations.



"Life test conditions carried out on the EnduroShield coated glass was conducted at 85C and 85%RH. This was carried out for 2000 hours. There was no observable decay of the surface of the glass. The glass was placed in a solar simulator which approximated 4.5 years in the field. No surface degradation was observed"

"I see a definite plus to using EnduroShield on our glass panels".

J.Norman
R&D Engineer
Origin Energy - leading Australasian energy provider

APPLICATION

EnduroShield® is ideally suited for applying to glass solar panels. The invisible coating protects the glass surface from deterioration overtime and reduces both the frequency and cleaning time of the surface. The coating allows UV to pass through without interference ensuring maximum performance is maintained.

HOW TO APPLY

EnduroShield® can be applied in factory to the glass panels before installation or in situ by certified applicators. The product is a clear liquid that is sprayed on, and polished into the glass, creating a permanent bond.
Application comes complete with a 10 year warranty when applied to new glass, or 3 years when applied to existing glass.

FEATURES & BENEFITS

Once only application: permanently bonds to the glass

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

Protects against corrosion and etching from contaminants including sea salts and pollution

Untreated glass is porous and as a result, it absorbs contaminants and pollution which cause deterioration and discolouration. The deterioration of the surface makes cleaning more frequent and more difficult. EnduroShield® seals the porosity of the glass helping prevent the deterioration caused by etching and corrosion. As a result the time and frequency of cleaning the glass is reduced.

Coating is UV stable

Accelerated testing of glass with an EnduroShield® coating has been undertaken with exposure to alternating cycles of UV light and condensation. Results show minimal or no change in the product's efficacy.

Maintenance costs are significantly reduced

As EnduroShield® creates a permanent non-stick coating which greatly reduces the time spent cleaning; maintenance costs can be reduced. EnduroShield® also protects the glass from staining and etching, eliminating the need for expensive glass restoration or replacement of panels.

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PCT Global Pty Ltd
5/21 Bearing Road Seven Hills
NSW 2147 Australia
Tel: +61 2 9674 9299
sales@enduroshield.com