

PRODUCT DATA SHEET

ECO SPORTS SHIELD

UV STABLE, NON-YELLOWING COLOURED OR CLEAR TEXTURED COATING

PRODUCT DESCRIPTION

Eco Sports Shield is an innovative, environmentally friendly performance coating specifically engineered to provide outstanding protection for sports flooring. Available in a diverse range of Australian Standard colours, this UV-stable and non-yellowing coating delivers exceptional visual appeal that lasts.

Eco Sports Shield offers a highly slip-resistant surface, achieving up to a P5 slip resistance rating compliant with AS 4586:2013, ensuring safety and reliability for all users. To confirm compliance, a wet slip resistance test according to AS 4663:2013 is recommended upon completion, especially for inclined surfaces where performance may vary due to slope adjustments outlined by Australian Standards.

Developed using advanced polycarbonate and acrylic hybrid technology, Eco Sports Shield uniquely combines the superior adhesion, flexibility, and UV resistance of acrylic with the exceptional durability and abrasion resistance of polycarbonate.

Being virtually odourless and water-based, it ensures a safe application process and significantly reduces environmental impact, supporting sustainability objectives.

USES

Eco Sports Shield is ideal for enhancing and protecting various exterior hard surfaces, providing robust performance and aesthetic appeal in applications such as:

- Concrete
- Bitumen
- Ceramic
- Stone

Typical applications include:

- Sports courts
 - Pedestrian walkways
 - Entertaining and recreation areas
-

KEY BENEFITS

- **Exceptional durability and abrasion resistance:** The product offers outstanding resilience against wear and tear, ensuring that surfaces maintain their integrity and appearance under heavy use or harsh conditions.
- **Superior UV stability:** The product resists UV degradation, maintaining its colour vibrancy and appeal even after prolonged sun exposure.
- **High resistance to dirt:** The product's surface reduces dirt accumulation, making maintenance easier while preserving its appearance and functionality.
- **Fast curing times:** The product dries quickly, allowing multiple layers to be applied in one day, minimising delays and ensuring efficient project completion.
- **Efflorescence resistance:** The product resists efflorescence, preventing white staining, blistering, and delamination, ensuring long-lasting durability and adhesion in challenging conditions.
- **Water-resistant:** The product protects surfaces from water damage and staining, ensuring long-term durability and preserving appearance in wet conditions.
- **Optional 2-pack additive (Chainlink):** Chainlink additive enhances strength and abrasion resistance, mixed at 1 litre per 10 litres of Eco Sports Shield for improved durability in high-traffic areas.
- **Virtually odourless and environmentally safe:** The product emits minimal odours and is environmentally friendly, with low toxicity and minimal ecological impact.
- **Ready-to-use and easy application:** The product comes pre-mixed for immediate use, simplifying the application process and reducing the chance of errors or delays.

COVERAGE

One coat provides coverage of approximately:

5 – 10 m² per litre per coat, providing excellent coverage and cost efficiency for your project.

SURFACE INSPECTION

Ensure the surface is clean, dry, and free from contaminants including grease, loose paint, oils, dust, curing agents, or other materials that might impede adhesion.

SURFACE PREPARATION

Prepare substrate by diamond grinding or shot blasting to remove contaminants, ensuring porosity and optimum adhesion.

APPLICATION

Primer: Apply Eco Bond generously, working it thoroughly into the surface for enhanced penetration and adhesion. Application can be performed using a bucket and a soft-bristled broom.

Topcoat:

1. Apply Eco Sports Shield within 24 hours of primer application.
2. Use a 20mm lambswool roller or brush to apply even coats, ensuring complete surface coverage.
3. Depending on desired appearance, thickness, water, and abrasion resistance, apply 2–3 coats.

Allow at least 30 minutes drying time at 25°C between coats. Full curing occurs in 2 days at 25°C or 4 days if temperatures are below 25°C.

MAINTENANCE

For best results, clean treated surfaces using Eco Clean.

For complete guidance on maintaining and preserving the sealed surface, please refer to our comprehensive Care Instructions on our website.

LIMITATIONS

- Do not apply in temperatures above 30°C or below 10 ° C.
- Avoid applying on damp or moist surfaces as this may lead to whitening or delamination.
- Always consult the Safety Data Sheet (SDS) before product use.

TECHNICAL SPECIFICATIONS

Property	Specification
Appearance	Pigmented liquid
Dry Time at 25 ° C	30 minutes
Odour	Slight, sweet
Specific Gravity	1.07
Flammability	Non-flammable
Water Solubility	Dispersible
Shelf Life	2 years (store at 5-35 ° C)
Packaging Sizes	Available in 10 litre plastic containers

HEALTH & SAFETY

For detailed safety information, refer to the **latest Safety Data Sheet (SDS)** available at www.ecoshield.com.au.

For emergencies, contact 24-hour mobile support at 0413 075 994.

First Aid Measures

- **If swallowed:** Do not induce vomiting. Dilute with milk or water and seek medical advice if necessary.
- **If in eyes:** Rinse immediately with water for several minutes. Remove contact lenses if present. Continue rinsing and seek medical attention if irritation persists.
- **If on skin:** Wash thoroughly with soap and water. If irritation persists, seek medical assistance.

Poisons Information Centre: 131 126.


MANUFACTURER'S DISCLAIMER

The use of this product in combination with other manufacturers' products may impact its performance. Ecoshield Performance Coatings Pty Ltd is not responsible for any issues arising from improper application or deviation from recommended procedures.

Product formulations and application methods are subject to updates—please ensure you have the latest information.


CONTACT INFORMATION

Ecoshield Performance Coatings Pty Ltd

 08 8185 7148

 info@ecoshield.com.au

 www.ecoshield.com.au

 Date of Revision: March 2025