



CARBON COAT

Non-Yellowing Abrasion & Impact Resistant High-Build Topcoat for Concrete

ecosshield
PERFORMANCE COATINGS

DESCRIPTION

Carbon Coat is a new technology coating made from polycarbonate; the same material used to make bullet proof glass. It is tough, totally UV stable with superior clarity bringing out the natural beauty of resurfaced concrete floors.

Carbon Coat provides greater resistance to scratches, scuff marks, water and chemicals than conventional coatings. It's a single-pack that will perform as good or better than the leading European 2-packs on heavily trafficked concrete floors.

Carbon Coat has good working time to help minimise application marks and allow the material to flow level and look uniform. It also displays early hardness development with a rapid full cure time floors are back in use much sooner.

Carbon Coat emits almost zero toxic odours (VOC's) and is water-based, making it safe to use and minimising environmental impact.



USES

Carbon Coat is suitable for hard surface interior and exterior applications as an abrasion and impact resistant topcoat that is effective on concrete, slate, vinyl, ceramic and stone floors.

ADVANTAGES

- Perfect replacement for outdated toxic 2-pack polyurethane
- Extremely durable, impact and abrasion resistant for heavy traffic conditions
- Super flow ability eliminating brush and roller marks
- UV Stable and non-yellowing maintaining an ultra-clear surface film
- Fast hardness development allowing floors to be back in service sooner

- Virtually odourless and environmentally friendly
- Ready to use from the container and easy to apply

COVERAGE

One coat will cover approximately 8 – 12 square metres per litre.

SURFACE INSPECTION

Ensure the floor is acclimatised to its end use environment. Timber must have a moisture content close to equilibrium, usually 10-17% for satisfactory coating.

SURFACE PREPARATION

Sand back the surface to bare timber. Floors must be free from sanding dust, oil, wax and other foreign material that might prevent proper adhesion. A 120-grit sanding disc should be used for the final sanding process.

Apply Ecoshield **Colour Enhance** as the primer before applying the topcoats.

APPLICATION

Allow **Carbon Coat** to reach room temperature and shake the container lightly before use. Optimal coating conditions are between 18 - 25°C and 40 - 60% relative air humidity. **Minimum temperature for use is 10°C.**

Apply the topcoat evenly using a brush and 10mm microfibre roller avoiding the accumulation of product. Always maintain a 'wet edge' to avoid overlaps. In higher temperatures dilute with Ecoshield **30PLUS** at a rate of 5% for increased working time.

A minimum dry time of 30 minutes at 25°C before re-coat is required.

It is not necessary to do intermediate sanding between coats but for the smoothest results and to reduce grain raise we recommend doing an intermediate sanding before the final coat using 180-grit sandpaper or screen. Remove dust before applying a final coat.

MAINTENANCE

Full cure may take 3 days depending on climatic conditions. Clean the floor with a wet cloth or mop only after full cure is reached. Do not clean with water or detergent during the first 3 days. After 3 days we recommend the use of **Eco Clean**.

Put mats at all entrance doorways to minimise dirt and grit. Sweep or vacuum daily and damp-wipe with **Eco Clean**. Use felt pads under furniture legs and appliances.

Place furniture and other heavy appliances carefully.

LIMITATIONS

- Do not apply in conditions above 30°C or below 10°C
- Do not apply onto a damp or moist surface or the coating can turn white and may delaminate
- All moisture should be kept away a minimum of 72 hours after application.
- Always read MSDS before use of any product

HEALTH AND SAFETY

For detailed information, refer to the current Safety Data Sheet available at www.ecoshield.com.au

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

First Aid Instructions

If swallowed, dilute with milk or water. DO NOT induce vomiting. Call a doctor if necessary.

If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing. May cause irritation, pain and tearing. A sensible precaution is to seek medical attention.

If on skin: wash with plenty of soap and water. May cause redness and irritation. If irritation and pain continue, seek medical advice.

MANUFACTURER'S COMMENT

Use with any other manufacturer's product could result in detrimental effects on the product's performance for which Ecoshield Performance Coatings holds no responsibility, and Ecoshield Performance Coatings cannot be held responsible for failure to follow application instructions.

Ecoshield Performance Coatings is continually updating materials and methods. Ensure you have the latest information.

TYPICAL PROPERTIES

Appearance	Transparent liquid
Sheen	Gloss, Satin or Matte
Main components	Polycarbonate
Specific gravity	1.00-1.05
Viscosity (#4 Ford Cup)	22 seconds
Spread rate	8 – 12 m ² per litre
Dry time at 25°C	30 minutes
VOC content	Green Building Council Compliant
Flashpoint	Does not burn
Storage Period	2 years at 5-35°C
Packaging	5, 15 and 200L plastic containers