



## Eco Timber Shield - Polycarbonate

### Non-Yellowing Abrasion & Impact Resistant High-Build Top-Coat for Timber Floors

#### Description

**Eco Timber Shield - Polycarbonate** is an environmentally friendly new technology made from an innovative single-pack polycarbonate material that is designed to replace 2-component polyurethanes for heavily trafficked timber floors.

**Eco Timber Shield - Polycarbonate** provides greater resistance to scratches, scuff marks and chemicals than conventional timber floor coatings. It is 100% UV stable with outstanding clarity that enhances the vibrancy and natural beauty of resurfaced timber floors.

**Eco Timber Shield - Polycarbonate** emits almost zero toxic odours (VOCs) and is water-based, making it safe to use and minimising environmental impact.



#### Uses

**Eco Timber Shield - Polycarbonate** is suitable for interior applications on virtually any commercial species of timber.

#### Advantages

- 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 meters 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.

#### Application

Allow **Eco Timber Shield - Polycarbonate** 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 13°C.**

Apply the top-coat evenly using a brush and 10mm microfiber roller avoiding the accumulation of product. Always maintain a 'wet edge' to avoid overlaps. In higher temperatures dilute with **EcoShield 30+** at a rate of 5% for increased working time.

A minimum dry time of 30 minutes at 25°C before recoat 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 sand paper or screen. Remove dust before applying a final coat.

### **Maintenance**

Full cure may take 5 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 5 days. After 5 days we recommend the use of **Eco Clean**.

Put mats at all entrance doorways to minimize 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 13°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

**Storage Period:** 2 years (5-35°C)

**Packaging:** 5 and 15 litre plastic containers

### **Typical Properties**

Appearance	Transparent liquid
Sheen	Natural, Satin or Gloss
Main components	Polycarbonate
Specific gravity	1.00-1.05
Viscosity (#4 Ford Cup)	23 seconds
Spread rate	8 – 12 m <sup>2</sup> per litre
Dry time at 25°C	30 minutes
VOC content	Compliant
Flashpoint	Does not burn

### **First Aid**

For safety information or Material Safety Data Sheet call EcoShield Customer Service on 08 8121 7867.

For emergency please contact 24 hour mobile 0413 075 994.