



ECO DENSI SHIELD - SODIUM

Sodium Silicate Hardener and Curing Compound for Concrete

DESCRIPTION

Eco Densi Shield - Sodium is an environmentally friendly dispersion of sodium silicate particles. These small particles penetrate the concrete and react with the soluble calcium compounds to increase the wear resistance and surface strength of concrete floors that have been mechanically ground, smoothed, and polished.

Eco Densi Shield - Sodium works effectively to harden, seal, and densify concrete floors.

USES

Eco Densi Shield - Sodium can be used on all cement-based products.

ADVANTAGES

- Provides greater abrasion resistance to concrete floors
- Eliminates damage from micro-pitting
- Dustproofs and improves chemical, petroleum and abrasion resistance of treated surfaces.
- Helps prevent entry of moisture and other foreign matter.
- Provides a permanent, attractive sheen with the ability to polish
- Odourless, VOC free and friendly to the environment
- Ready to use from container and easy to apply
- Provides a tough and protected surface that won't discolour or show pedestrian or vehicular traffic wear marks

COVERAGE

One application will cover approximately 5 – 20 square metres per litre, depending on concrete absorption.

SURFACE INSPECTION

Surface must be clean, dry and free from grease, oil, dust, paint, curing agents or any foreign material that might prevent proper penetration.

SURFACE PREPARATION

Old Concrete:

Concrete should be made free from contaminants by diamond grinding or shot blasting to ensure penetration

and reaction. If using acid etches, ensure it is applied, neutralised and rinsed per manufacturer's instructions and that the substrate is dry.

Existing Coatings:

Sand the surface with 100 grit abrasive paper and remove debris with **Recoat Etch** just before the new application.

APPLICATION

Steel Trowelled and Burnished Concrete:

Apply **Eco Densi Shield - Sodium** as soon as practical after completion of steel trowelling and burnishing.

When using as a curing compound for green concrete **Eco Densi Shield - Sodium** can be diluted into water at a ratio of 2 parts water to 1 part **Eco Densi Shield - Sodium**.

Eco Densi Shield - Sodium can be applied by low pressure airless spray or pump pack. It can be applied with a bucket and spread onto the surface with a soft bristled broom or microfibre floor sweeper.

Apply **Eco Densi Shield - Sodium** onto the surface in a light even coat and so that it remains wet for 15 minutes after application. Do not allow to pool or staining may occur.

Honed Concrete:

Apply **Eco Densi Shield - Sodium** after grouting with **Eco Grout** and before resin bond diamond tool polishing.

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Apply **Eco Densi Shield - Sodium** onto the surface in a light even coat and so that it remains wet for 15 minutes after application. Do not allow to pool or staining may occur.

LIMITATIONS

- Do not apply in conditions above 30°C
- Do not apply on frozen substrate or when temperature is near freezing
- Do not apply if rain might occur during the next 30 minutes
- Always read SDS 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

Discomfort in stomach and intestinal tract may occur. Immediately give milk or water. DO NOT induce vomiting. First aid is generally not required. 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 and redness. If symptoms persist, consult a doctor.

If on skin: wash with plenty of soap and water. If irritation persists, 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
Main components	Sodium
Specific gravity	1.20
Spread rate	5 – 20m ² per litre
Flashpoint	Does not burn
Storage Period	2 years at 5-35°C
Packaging	5, 15 and 200L plastic containers