



ECO DENSI SHIELD - POTASSIUM

High Solids Potassium Silicate Hardener for Concrete

DESCRIPTION

Eco Densi Shield - Potassium is a unique environmentally friendly high solids, water based, high strength penetrating potassium densifier which has been specially formulated to strengthen and harden concrete.

Eco Densi Shield – Potassium provides a surface that is more resistant to wear, chemicals and dusting. Due to its unique feature it has excellent penetration, good dry and thorough cure.

USES

Eco Densi Shield – Potassium is suitable for use on concrete surfaces and exposed aggregates, also a great choice for polishing concrete.

ADVANTAGES

- Water base and non-flammable
- Low VOC
- Excellent penetration
- Ideal for all concrete surfaces
- Strengthens and increases life of concrete
- Increases abrasion resistance
- Reduces growth of mould, fungus, mildew and bacteria
- Breathable and not film forming
- For interior and exterior use
- No odour
- Ready to use from container and easy to apply

COVERAGE

One application will cover approximately 5 – 20 square metres per litre.

SURFACE PREPARATION

Concrete moisture test should be carried out prior to coating application as per Australian Standard 4263. The moisture content should be less than 4%.

Surface to be treated **MUST** be clean and free of all traces of loose material, dirt, mildew, oil, grease, old coatings, curing compounds, release agents, laitance, dust and other contaminants.

All new or old concrete surfaces should be prepared by mechanical grinding, abrasive blasting, blast tracking, or any other suitable preparation/cleaning methods. Check if all traces of oil and other contaminants have been completely removed. Sprinkle a few water drops over the

surface, if all water is quickly absorbed, the surface is sufficiently oil and grease free. If the water beads up, even in certain areas only, further preparation/cleaning has to be carried out.

APPLICATION

Shake container well to ensure thorough mixing. Apply **Eco Densi Shield – Potassium** via floor coating to the point of saturation using a brush, roller or low-pressure spray and give the whole surface a wet look.

Apply a second coat within 20 minutes or not long after, making sure it is before the first coat dries.

If **Eco Densi Shield – Potassium** sucks straight into the substrate a lot, you might need to feed instantly more product into the surface. Do NOT allow pooling on surface as it may result in a residue that will need to be mechanically removed. Do not apply outdoors if rain is imminent or forecast.

Eco Densi Shield – Potassium drying time 2-8 hours, light foot traffic 6-12 hours, full cure and vehicular traffic 24 hours. Allow **Eco Densi shield – Potassium** to cure for at least 24 hours before subjecting to vehicular traffic. All drying times depend on climatic conditions, temperatures, ventilation, humidity and application methods.

MAINTENANCE

In general, any contaminants should be cleaned up immediately to maximise the longevity and best performance. Clean surface regularly every 12 months with warm mild pH neutral detergent water up to 60°C and rinse with clean water. Do not use abrasive brushes, scouring pads or solvent to clean the coated surface.

LIMITATIONS

- Do not apply in conditions above 30°C or below 10°C
- Do not apply on frozen substrate or when temperature is near freezing
- Do not apply if rain might occur during the next 24 hours
- 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

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, a sensible precaution is to seek medical attention.

If on skin: wash with plenty of soap and water. If irritation persists, seek medical advice.

Poisons Information Centre 131 126.

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	Potassium
Specific gravity	1.20
Spread rate	5 – 20m ² per litre
Flashpoint	Does not burn
Dry Time at 25°C	2 – 8 hours
Storage Period	2 years at 5-35°C
Packaging	5, 15 and 200L plastic containers