

CONCRETE SHIELD™ DENSIFIER



Concrete Shield™ Densifier is a ready to use, silicate blended solution used to polish, harden, and seal green or aged concrete. The silicate solution penetrates concrete to react and produce a dust free surface with improved resistance. Concrete Shield™ Densifier is suitable for interior and exterior use, with common applications in warehouses, restaurants, retail shops, and car parks. Concrete Shield™ Densifier gives good abrasion resistance, penetration, and excellent clean-ability. It reacts with calcium hydroxide in concrete to produce improved resistance and provide a dust free finish.

- Features and Benefits**
- Good abrasion resistance
 - Good penetration
 - Suitable for interior and exterior
 - Excellent cleanability
 - Colourless and odourless
 - Water-based
 - For use when grinding and polishing concrete floors to provide a superior sheen

- Typical Applications**
- Warehouses
 - Restaurants
 - Retail stores
 - Car parks

- Properties**
- Appearance: colourless, odourless liquid
 - Abrasion resistance: >30% (Taber abrader wheel H22/1000g/500 cycles)
 - Moisture loss: reduced by a minimum of 85% during initial 24 hrs
 - Application conditions: 10-30°C, up to 80% relative humidity

Pack Size 15L

Shelf Life 24 months @ 25°C unopened

- Safety**
- Refer to Safety Data Sheet prior to use
 - Good industrial hygiene practices should be observed at all times

Storage Store in cool, dry conditions, out of direct sunlight and in a well-ventilated area. Do not store below 5°C or over 40°C

Surface Preparation All substrates must be sound, dry, and free from oil, grease, curing compounds, waxes, coatings, and loose material.

Application

Polished Surface Hardener
 Apply in one undiluted uniform coat at an application rate of between 5-8 m²/L (depending on the porosity of the substrate). To achieve maximum penetration, scrub material into the surface with a stiff bristle broom or an industrial floor-scrubbing machine for a minimum of 30 minutes until product begins to gel or becomes slippery. Wet material lightly with water spray and rework it into the surface for an additional 10 to 20 minutes. Following this, rinse floor and remove any excess material with a squeegee and wet vacuum. Do not allow the material to pond. On porous rough-textured or broom finished surfaces, a second application may be required, and should be applied 2-4 hours following the first coat. Floors can be returned to service 4-6 hours following removal of excess material.

Densifier in Grind / Polish System
 Apply by spray or squeegee to the surface between grinding stages. Optimum results are achieved with two applications: one in the early stages of the grind, the second in the late stage of the grinding process. NOTE: Do not apply at the polishing stage.

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Sealer

Apply by spray method evenly at the prescribed rate. For best results, floors should be treated 7-14 days after placement. Concrete less than 3 days old may contain excess moisture that will inhibit full penetration of Concrete Shield™ Densifier.

Clean-Up

Equipment can be cleaned with warm soapy water immediately after use. Hardened materials must be removed mechanically.

Limitations

Not suitable for use on natural stone

Do not apply over areas previously treated with concrete curing compounds or membrane forming sealers unless these have been completely removed.

Concrete Shield™ Densifier cannot be expected to make bad disintegrating concrete good. This product will not effectively work on lightweight, extremely porous, or worn concrete.

For further information, including Safety Data Sheets and Technical Bulletins, refer to the Fortis website www.fortisadhesives.com.au.

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Manufacturers of a range of Industrial Adhesives, Floor Coatings and Concrete Repair Systems. From Epoxy to Polyaspartic, Polyurethane to PVA, and with our Industry leading Technical Support, Fortis has you covered.