

TECHNICAL DATA SHEET STRONGBOND CONCRETE DENSIFIER

STRONGBOND CONCRETE DENSIFIER

PRODUCT DESCRIPTION

STRONGBOND CONCRETE DENSIFIER is a ready to use, potassium and lithium silicate blend used to polish, harden, and seal green or aged concrete. The densifier penetrates concrete to react and produce a dust free surface with improved resistance. **STRONGBOND CONCRETE DENSIFIER** is suitable for interior and exterior use, with common applications in warehouses, restaurants, retail shops, and car parks. **STRONGBOND CONCRETE DENSIFIER** gives good abrasion resistance, penetration, and excellent cleanability. 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

20L pail

SHELF LIFE & STORAGE

24 months @ 25°C unopened

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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

SAFETY

- ✓ Refer to Safety Data Sheet prior to use
- ✓ Good industrial hygiene practices should be observed at all times
- ✓ Appropriate PPE should be worn including impervious gloves & eye wear

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 using a very soft broom following 100 grit metal bond diamond pads prior to shifting to resin pads. Apply until surface is saturated and keep wet / moist for 20-30 minutes but do not allow material to pond. Allow material to cure prior to beginning the resin polishing stages (typically 8-12 hours). Remove excess material with worn or low grit 50 to 100 grit dry polishing resin bond diamond pads or 100 grit wet/dry copper bond diamond pad. Additionally, it is recommended to apply a thin lip-coat of densifier in front of the grinder during the initial two resin steps to aid in pore filling and keeping tools sharp.

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 **STRONGBOND CONCRETE DENSIFIER**.

CLEAN-UP

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



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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.

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

Disclaimer

The technical details, recommendations and other information contained in this product's data sheets are given in good faith and represent the best of our knowledge and experience at the time of printing. It is customer's responsibility to ensure that products are used and handled correctly and in accordance with any applicable local Standard, our instructions and recommendations are only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. The supply of our products and services is subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

For more information, please check www.lookfloors.co.nz

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This data sheet replaces all previous versions.

