



TECHNICAL DATA SHEET STRONGBOND RAPID REPAIR SB022

STRONGBOND RAPID REPAIR SB022

REPAIR & PATCH

- ✓ RAPID-SETTING
- ✓ SLUMP-FREE
- ✓ INSTALL FLOOR COVERINGS IN AS LITTLE AS 2 HOURS

PRODUCT DESCRIPTION

STRONGBOND RAPID REPAIR SB022 is a high-performance rapid-set repair mortar engineered for the fast repair of internal concrete substrates. Its advanced formulation delivers early strength, fast drying, and no-slump stability, allowing rapid patching and installation without movement or sagging. At 20°C, 50% RH you will get approximately 15 minutes of workable time (Pot Life) before the mix sets. **STRONGBOND RAPID REPAIR SB022** is ready to receive suitable floor finishes in as little as 2 hours subject to site conditions and floor finish selection. Built for speed. Designed for strength. A Perfect solution for flooring professionals.

KEY BENEFITS AND FEATURES

- ✓ Rapid hardening, fast drying, and slump-free.
- ✓ For internal, dry applications only.
- ✓ Allowing floor coverings installation in as little as 2 hours.
- ✓ Rapid repair of voids, pits, dormant non-structural cracks, and other defects in concrete and cement mortar substrates on concrete walls and floors. Repairing internal stairs
- ✓ Filling gaps around pipelines.
- ✓ Forming ramps.
- ✓ Forming coving to wall-floor junctions.
- ✓ Base repair before roll-coat resin flooring applications.

SUITABLE APPLICATIONS

STRONGBOND RAPID REPAIR SB022 is suitable for the below list of substrates:

- ✓ Structurally sound, dry concrete
- ✓ Masonary Substrates
- ✓ Cement-Based Levelling Compounds

If you are unsure if this product is suitable for the substrate you have on the job, please consult your Look Floors representative for technical assistance.

STRONGBOND RAPID REPAIR SB022 is also suited for underfloor heating applications. Please consult your Look Floors representative for technical assistance.





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STRONGBOND RAPID REPAIR SB022 is a rapid-setting repair mortar used before levelling or before the installation of the below floor coverings:

- ✓ Solid Strip or Engineered Timber or Parquet Flooring
- ✓ Carpet and Carpet Tiles
- ✓ Luxury Vinyl Tiles/Planks (LVT/LVP)
- ✓ Vinyl Composition Tiles (VCT)
- ✓ Sheet Vinyl and Rubber Flooring
- ✓ Laminated Flooring
- ✓ Ceramic, Mosaic, Quarry or Cement Body Tile
- ✓ Impervious Porcelain and Glass Tile
- ✓ Natural Stone Tile
- ✓ Cement or Epoxy Terrazzo

APPLICATION INSTRUCTIONS

PLEASE READ THIS TECHNICAL DATA SHEET THOROUGHLY PRIOR TO APPLYING THE PRODUCT

ALL WORKS TO BE IN STRICT ACCORDANCE WITH, BUT NOT LIMITED TO ANY CURRENT AND RELEVANT BUILDING CODES SUCH AS NZS 3114 AND NZS 3604 AND CURRENT FLOORING STANDARDS (NZS AS 1884).

SUBSTRATE PREPARATION

The substrate must be compliant, structurally sound, clean, dry and free from contaminants such as grease, oil, dirt, dust, curing compounds, waxes, sealers, efflorescence, or any other foreign matter that may act as a bond-breaker. To ensure maximum bonding strength to the substrate, surface contaminants should be removed by mechanical methods such as grinding or shot blasting to achieve the required CSP (Concrete Surface Profile). Substrate cracks **MUST** be identified by type and appropriately remediated prior to the installation of **STRONGBOND RAPID REPAIR SB022**. Concrete substrates must be dry according to NZS AS 1884 and fully cured that are a minimum of 28 days old. Smooth concrete surfaces, existing glazed tile, terrazzo, or polished stone need to be roughened or scarified to achieve the appropriate CSP (Concrete Surface Profile). Concrete must be fully cured and treated for any hydrostatic moisture, rising damp or Construction Moisture as required prior to the installation of **STRONGBOND RAPID REPAIR SB022**.

Before application, lightly pre-dampen the prepared concrete (surface-saturated, no standing water) condition to promote proper bonding.

PRIMING REQUIREMENT

Substrate priming is optional except where the substrate is highly absorbent (assuming no means of moisture control has been applied). In such cases, multiple applications of either **STRONGBOND POROUS SUBSTRATE PRIMER SB813** or **STRONGBOND MULTI SUBSTRATE PRIMER SB053** may be required (refer to **STRONGBOND POROUS SUBSTRATE PRIMER SB813** or **STRONGBOND MULTI SUBSTRATE PRIMER SB053** product Technical Data Sheets for more details).



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SUBSTRATE CRACKS

Cracks should be identified by type (i.e. Structural, Non-Structural, Dormant, Active). Once identified, all cracks should be appropriately treated prior to the application of **STRONGBOND RAPID REPAIR SB022**.

Please consult your Look Floors Representative for further details and technical advice.

MIXING AND APPLICATION

Add 3.6 to 4.4 L of clean water into a TradieCare mixing bucket, then gradually pour in the powder. Mechanically mix with a suitable drill and mixing paddle until a lump-free, slump-free consistency is achieved. Avoid adding excess water. At 23°C working conditions, the working time is approximately 15 minutes, note that these times are variable and subject to mixing ratio and site conditions.

For surface repairs under 30 mm thickness, apply the mixed, fresh mortar directly using a TradieCare Finishing Trowel to repair the surface. When repairing chips, dormant, non-structural cracks, and damaged areas, apply firm pressure with the trowel to ensure the mortar thoroughly wets and adheres to the substrate.

For deep holes and dormant, non-structural cracks exceeding 30 mm in height, add and mix up to an equal volume by weight of 3-6mm washed and dried river stones (P-metal). If the surface appears rough after bulked-up repair, a second layer of **STRONGBOND RAPID REPAIR SB022** without aggregate can be applied to achieve the desired smooth finish.

After 15-20 minutes of application, dampen the surface with a sponge and water, then finish the surface with a TradieCare Finishing Trowel. Once the repaired area has hardened, self-levelling the surface or the application of floor coverings can commence.

LIMITATIONS

- ✓ Use only when the substrate and ambient temperature are between 10°C and 35°C.
- ✓ **DO NOT** use **STRONGBOND RAPID REPAIR SB022** as a final trafficable surface.
- ✓ **STRONGBOND RAPID REPAIR SB022** is for dry, interior installations only.
- ✓ Not suitable for full penetrations, please consult your Look Floors representative for further detail.
- ✓ Substrates **MUST** be mechanically prepared to achieve the correct CSP, chemical etching is NOT an acceptable method.
- ✓ Subfloors must be dry in accordance with **NZS AS 1884** and correctly primed where required to ensure a successful installation. Any full penetrations that are direct-to-earth must be protected by a compliant and effective damp-proof membrane.
- ✓ **STRONGBOND RAPID REPAIR SB022** can be installed over cured, dry concrete slabs that are a minimum of 28 days old.
- ✓ For areas larger than 2sqm at 30mm thick, we would recommend to use **STRONGBOND PREMIUM SELF-LEVELLING SB236**.



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CLEANING

Use water to clean tools and equipment while the product is still wet/fresh.

PACKAGING AND STORAGE

Available in 20 kg paper-plastic valve bags. Shelf life is 12 months from production date if stored unopened in a cool, dry indoor environment, protected from moisture and sunlight.

TECHNICAL DATA

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| Powder Density | Approx. 1.4 kg/L |
| Packaging | 20 kg/Bag |
| Mixing Ratio | 3.6-4.4 L of water per 20kg Bag |
| Consumption | 1.75 kg/mm/m ² |
| Initial Set Time | Approx. 15 minutes (23°C) |
| Final Set Time | Approx. 60 minutes (23°C) |
| Compressive Strength | Approx. ≥ 15 MPa (1d), Approx. ≥ 25 MPa (28days) |
| Flexural Strength | Approx. ≥ 4 MPa (1d), Approx. ≥ 6 MPa (28days) |
| Tensile Bond Strength | ≥ Approx. 1.5 MPa |
| Shrinkage | ≤ Approx. 0.15% |

Note: Above statistics are indicative only and may vary according to temperature, humidity, substrate porosity, thickness of application and site conditions.

SAFETY INFORMATION

PLEASE READ THE SAFETY DATA SHEET THOROUGHLY PRIOR TO APPLYING THE PRODUCT

Safety Data Sheet (SDS) is available on request or online on www.lookfloors.co.nz

Ensure suitable PPE (Personal Protective Equipment) such as protective gloves, respiratory, face, skin and eye protection are worn at all times while handling this product. Avoid inhaling dust, fumes, gas, mist, vapours or



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spray. Avoid contact with eyes and skin. If this product comes in contact with skin, rinse with soap and plenty of water. If product comes in contact with eyes, wash out immediately with water. Ensure adequate ventilation during mixing and application. Wash contaminated clothing before reuse. Keep out of the reach of children. Call a doctor if you feel unwell or contact National Poisons Centre on 0800 764 766.

Disclaimer

The information provided is based on our current knowledge, laboratory testing, and experience with the product under standard conditions. It is intended as a general guide for the safe handling, use, storage, and application of the product described. Because materials, conditions, and methods of use are beyond our control, the manufacturer makes no warranty, expressed or implied, regarding the accuracy, completeness, or suitability of this information for any particular purpose. Users are responsible for ensuring that the product is suitable for their intended application and for complying with all applicable laws, regulations, standards, and best practices. The manufacturer shall not be liable for any loss, damage, or injury resulting from improper use of the product or failure to follow the recommendations provided herein. The manufacturer reserves the right to modify the product specifications and information contained in this document without prior notice.

