



## TECHNICAL DATA SHEET

### STRONGBOND PREMIUM SELF-LEVELLING SB236

# STRONGBOND PREMIUM SELF-LEVELLING SB236

#### HIGH PERFORMANCE LEVELLING

- ✓ 1mm TO 40mm PER APPLICATION
- ✓ FAST DRYING & HARDENING
- ✓ EASY TO APPLY
- ✓ INSTALL RESILIENT COVERINGS IN AS LITTLE AS 16 HRS

#### PRODUCT DESCRIPTION

**STRONGBOND PREMIUM SELF-LEVELLING SB236** is a versatile, quick-setting and high-flow cement-based self-levelling underlayment that easily levels floors prior to the installation of ceramic tile, natural stone tile, resilient flooring, carpets, timber, and other common floor coverings. This high-strength, easy-to-install underlayment is shrinkage compensated, which effectively eliminates installation problems such as bond failure, crumbling, and staining of resilient flooring caused by the free moisture commonly found in traditional, Portland cement-based underlayment.

#### KEY BENEFITS AND FEATURES

- ✓ Fast drying and hardening.
- ✓ 1mm to 40mm in one application.
- ✓ Shrinkage compensated to minimise cracking.
- ✓ Perfect for most common floor covering installations.
- ✓ Minimal-dust finishing to reduce bond failure and crumbling of resilient flooring.
- ✓ Cures fast and develops high early-strength for quick installation.

#### SUITABLE APPLICATIONS

**STRONGBOND PREMIUM SELF-LEVELLING SB236** is suitable for the below listed substrates:

- ✓ Concrete with different porosity
- ✓ Lightweight Concrete
- ✓ Structural, Flooring Grade Plywood and OSB

**STRONGBOND PREMIUM SELF-LEVELLING SB236** is suited for underfloor heating applications. Please consult your Look Floors representative for technical assistance.

**STRONGBOND PREMIUM SELF-LEVELLING SB236** is a self-levelling compound for levelling floors prior to the installation of the below floor coverings:

- ✓ Carpet and Carpet Tiles
- ✓ Solid & Engineered Timber
- ✓ Parquet Flooring
- ✓ Luxury Vinyl Tiles/Planks (LVT/LVP)
- ✓ Vinyl Composition Tiles (VCT)
- ✓ Sheet Vinyl and Rubber Flooring





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- ✓ Laminate Flooring
- ✓ Ceramic, Mosaic, Quarry or Cement Body Tile
- ✓ Impervious Porcelain and Glass Tile
- ✓ Natural Stone Tile
- ✓ Epoxy Roll Coats

### 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 PREMIUM SELF-LEVELLING SB236**. 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 PREMIUM SELF-LEVELLING SB236**.

### PRIMING REQUIREMENT

Priming is required prior to the installation of **STRONGBOND PREMIUM SELF-LEVELLING SB236**. The correct primer and application method must be applied according to the porosity and substrate type. For priming, we recommend applying full coverage of either **STRONGBOND MULTI SUBSTRATE PRIMER SB053** or **STRONGBOND POROUS SUBSTRATE PRIMER SB813**. Primer selection is subject to substrate type and site conditions (refer to **STRONGBOND MULTI SUBSTRATE PRIMER SB053** and **STRONGBOND POROUS SUBSTRATE PRIMER SB813** product Technical Data Sheets for further detail).

### BONDING TO CONCRETE SURFACES

In addition to general surface preparation requirements listed above, concrete must be free of efflorescence, rising damp, hydrostatic pressure or construction moisture. The substrate **MUST** be dry as per NZS AS 1884. Concrete surfaces must have a tensile strength in excess of 1.5 MPa. Concrete treated with curing compounds must be evaluated for suitability and then mechanically prepared.





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### **BONDING TO STRUCTURAL, FLOORING GRADE PLYWOOD AND OSB SURFACES**

Plywood and OSB including those under resilient flooring must be structurally sound and must meet all industry guidelines, codes and standards. Subfloors shall be structurally compliant to current local building codes and suited to area usage. Any loose areas or deflection must be addressed prior to installation of the levelling compound. Subfloors may be prepared by mechanical sanding. Prime all suitable timber subfloors with undiluted **STRONGBOND MULTI SUBSTRATE PRIMER SB053**. (refer to **STRONGBOND MULTI SUBSTRATE PRIMER SB053** product Technical Data Sheets for further detail).

### **MIXING AND APPLICATION**

Add 4 to 4.2 litres of clean water into a dust-free DelivaMix mixing bucket. Slowly add the 20kg bag into the bucket and mix mechanically with a suitable drill and paddle (600-650 RPM) until fully mixed for 2 minutes to a lump-free consistency. Do not overmix, under or over water. Once the product is fully mixed, immediately pour out the mix and spread with a gauge rake to the desired thickness. Directly after the topping has been dispersed, use a spiked roller or a smoothing blade to smooth out any inconsistencies and break entrapped air bubbles to create a more uniform appearance. It is critical to maintain a wet edge throughout the application of the product. For areas that have substantial undulation, it is recommended to use **STRONGBOND LEVELLING PEGS** to ensure correct depths are easily achieved.

**STRONGBOND PREMIUM SELF-LEVELLING SB236** is suitable for pumping.

If a second layer is required, one of the following two methods may be adopted.

- ✓ **Immediate Method** - For a faster installation, apply the second layer as soon as the first is hard enough to walk on. Re-priming is not required. While this method is quicker, the finished surface will be more prone to air holes.
- ✓ **After-Dry Method** - For a smoother finish, wait at least 16 hours for the first pour to dry. Then, apply a coat of **STRONGBOND MULTI SUBSTRATE PRIMER SB053** or **STRONGBOND POROUS SUBSTRATE PRIMER SB813** by a roller or soft bristle broom, wait for it to dry then pour a second layer of Self-leveller.

**Note:** *Additional layers MUST not be thicker than the first layer applied.*

### **DRY TIMES**

**STRONGBOND PREMIUM SELF-LEVELLING SB236** is walkable in as little as 2 hours, ready for tiling from 4 hours, and suitable for resilient floor coverings after 16 hours. Cure time can vary with temperature and humidity and applied thickness.

### **LIMITATIONS**

- ✓ For use in interior, dry areas only.
- ✓ Ambient, substrate, and product mixture temperatures must be between 10-35°C.
- ✓ Concrete must be fully cured and treated for any hydrostatic moisture, rising damp or construction





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moisture as required prior to the installation of **STRONGBOND PREMIUM SELF-LEVELLING SB236**. **MUST** be dry as per NZS AS 1884.

- ✓ **DO NOT** apply **STRONGBOND PREMIUM SELF-LEVELLING SB236** over Plywood or OSB less than 18mm thickness.
- ✓ Water used for mixing should be maintained at room temperature. Assure that substrates are not wet from condensation in ambient conditions of high humidity. High humidity may affect surface drying and final results.
- ✓ **DO NOT** apply **STRONGBOND PREMIUM SELF-LEVELLING SB236** over any substrate that is not compliant or structurally sound. Furthermore, **STRONGBOND PREMIUM SELF-LEVELLING SB236** is not a moisture barrier. If protection against moisture is necessary, a proper moisture mitigation system must be installed prior to the application of the **STRONGBOND PREMIUM SELF-LEVELLING SB236**.
- ✓ **DO NOT** install over strip timber, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, or plastic. Please consult your Look Floors representative for technical assistance.
- ✓ **DO NOT** use **STRONGBOND PREMIUM SELF-LEVELLING SB236** as a final trafficable surface.

#### 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. Do not stack over 1.5 tons of material on top of each pallet.

#### TECHNICAL DATA

Water-Powder Ratio	20 kg Powder : 4-4.2 L Water
Application Thickness	1-40 mm
Pot Life (in bucket)	Around 20 minutes
Walkable	After Approx. 2 hours
Install Ceramic Tiles	After Approx. 4 hours
Install Resilient Floor Coverings	After Approx. 16 hours





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Initial Flow	>135 mm
Final Flow (20 min)	>130 mm
Compressive Strength - 6 hours	> 6 MPa
Compressive Strength - 24 hours	>18 MPa
Compressive Strength – 28 days	>30 MPa
Flexural Strength – 28 days	>6 MPa
Tensile Bond Strength – 28 days	>1.5 MPa
Dry-Powder Density	Approx. 1.3 kg/L
Weight of Fresh Mortar	Approx. 2.1 kg/L
Consumption	Approx. 12 Litre Yield
Installation Temperature Range	10-35 °C

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

### COVERAGE GUIDE

Approximate Consumption per 20 Kg bag of **STRONGBOND PREMIUM SELF-LEVELLING SB236**. Assuming typical substrate conditions.

APPLIED THICKNESS	COVERAGE GUIDE
3 mm	4 m <sup>2</sup>
10 mm	1.14 m <sup>2</sup>
20 mm	0.57 m <sup>2</sup>
40 mm	0.29 m <sup>2</sup>

**Note:** Coverage shown is for reference only. Actual coverage may vary and is subject to site conditions.





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#### **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](http://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 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.

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#### **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.

