



TECHNICAL DATA SHEET STRONGBOND SB108 MS ADHESIVE

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PRODUCT DESCRIPTION

STRONGBOND SB108 MS ADHESIVE is a single-component, 100% solids modified-silane adhesive for LVT, vinyl sheet and planks, engineered timber and reconstituted rubber flooring. **STRONGBOND SB108 MS ADHESIVE** is also a great, solvent free option for the installation of garage carpets. Its low-VOC formulation delivers strong, flexible bonds and helps reduce sound transmission. Free from water, solvents, amines, isocyanates, phthalate plasticisers and epoxy resins, **STRONGBOND SB108 MS ADHESIVE** suits a wide range of substrates and floor finishes and also suitable for outdoor applications such as artificial grass.

KEY BENEFITS AND FEATURES

- ✓ Low VOC.
- ✓ Free of formaldehyde and solvents.
- ✓ Suitable for internal and external applications.
- ✓ High in elasticity and easy to trowel and clean.
- ✓ Suitable for various types of indoor flooring and substrates (porous & nonporous).
- ✓ Moisture, weather and water resistant and can be used for wet areas.

SUITABLE APPLICATIONS

STRONGBOND SB108 MS ADHESIVE is suitable for use over the following substrates:

- ✓ Concrete.
- ✓ Concrete Mortar.
- ✓ Structural, Flooring Grade Plywood and OSB.

STRONGBOND SB108 MS ADHESIVE is used for the installation of suitable floor coverings listed below:

- ✓ Engineered Timber flooring.
- ✓ Luxury vinyl tiles/planks (LVT/LVP).
- ✓ Vinyl composition tiles (VCT).
- ✓ Sheet vinyl and reconstituted rubber flooring.
- ✓ Artificial Grass.
- ✓ Garage Carpet.

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APPLICATION INSTRUCTIONS

PLEASE READ THIS TECHNICAL DATA SHEET THOROUGHLY BEFORE APPLYING THE PRODUCT.

ALL WORK MUST BE COMPLETED IN ACCORDANCE WITH ALL CURRENT AND RELEVANT BUILDING CODES AND FLOORING STANDARDS, INCLUDING NZS 3114, NZS 3604 AND NZS AS 1884, WHERE APPLICABLE.

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 and any other foreign matter that could impair adhesion. To ensure maximum bonding strength, mechanically remove surface contaminants by grinding or shot blasting to achieve the required Concrete Surface Profile (CSP). Cracks must be classified as structural, non-structural, dormant or active and appropriately remediated before installation. Concrete substrates must be fully cured and at least 28 days old. All substrate moisture levels must comply with NZS AS 1884 and the requirements of the selected floor-covering manufacturer. Treat hydrostatic moisture, rising damp or construction moisture as required. Uneven concrete substrate should be levelled to comply with NZS AS 1884 standards. Flatness or levelling remediation can be done with **STRONGBOND** levelling and smoothing compounds before proceeding to adhesive application of the selected floor finish. 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. Dust should be vacuumed prior to the application of the adhesive.

APPLICATION METHOD

When apply **STRONGBOND SB108 MS ADHESIVE**, ensure the appropriate notched trowel according to the type of flooring being installed and apply the adhesive evenly to the prepared substrate. Install the flooring within 60–120 minutes of adhesive application, adjusting the working time according to the actual ambient temperature and site conditions. Always refer to the Floor Manufacturers installation documentation for installation detail.

CURING

After installation, allow a minimum of 24 hours for the adhesive to cure before subjecting the floor to normal use. The standard curing rate is approximately 3 mm per 24 hours. Actual curing times may vary depending on ambient temperature and other site conditions.

LIMITATIONS

- ✓ Ambient and substrate temperatures must be between 10°C and 30°C with RH below 75% to ensure adequate curing.

TECHNICAL DATA SHEET

STRONGBOND SB108 MS ADHESIVE

- ✓ **DO NOT** apply **STRONGBOND SB108 MS ADHESIVE** over substrates containing asbestos.
- ✓ Always follow the floor coverings manufacturer's installation guidelines.
- ✓ **DO NOT** allow **STRONGBOND SB108 MS ADHESIVE** to freeze.
- ✓ Keep product properly sealed when not using as it will start curing when exposed to air.
- ✓ Ensure the substrate is completely clean of old adhesives including cutback residue.
- ✓ Hydrostatic moisture must be treated before applying **STRONGBOND SB108 MS ADHESIVE**.
- ✓ **DO NOT** allow the adhesive to skin, and **DO NOT** place floor coverings onto the skinned adhesive.
- ✓ Should not be used in submerged water situations when used externally. Areas **MUST** have good drainage.

CLEANING

Use water to clean tools and equipment while the product is still wet or fresh. Hardened materials must be removed mechanically.

PACKAGING AND STORAGE

Available in 10kg pail containing two sealed 5kg foil pouches.

Shelf life is 12 months from the production date when stored unopened in a cool, dry indoor environment protected from moisture and sunlight. Keep product properly sealed when not using after opening as it will start curing when exposed to air.

TECHNICAL DATA

Adhesive type	Silane-Modified Polymer
Density	1.4 kg/L
Color	Cream
Wait Time/ Tack Time	nil
Open Time	Approx. 60-120 min
Formaldehyde	0 g/L
Total VOC	<20 g/L
Bond Strength for Vinyl, Rubber and other Resilient Flooring	>2.0 MPa
Bond Strength for Engineered Wood, Laminate, and similar floor coverings	>3.0 MPa

Note: The above technical data is indicative only and may vary depending on temperature, humidity, substrate porosity, and site conditions.

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COVERAGE GUIDE

Approximate coverage per 10 kg of **STRONGBOND SB108 MS ADHESIVE** under typical substrate and installation conditions:

FLOOR COVERING TYPE	Trowel Selection	Approx. Coverage Guide
Engineered Timber Flooring	B5, B11	0.8-1.2kg/m ²
Vinyl Plank or Sheet Vinyl	V1 Notched Trowel	0.4kg/m ²

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

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 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 supplier makes no warranty, express 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 supplier shall not be liable for any loss, damage or injury resulting from improper use of the product or failure to follow the recommendations provided. The supplier reserves the right to modify the product specifications and information contained in this document without prior notice.

For further information, visit www.lookfloors.co.nz.

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This data sheet replaces all previous versions.