

LEVELLING AND SMOOTHING COMPOUND

Quick Drying | **Suitable for residential and commercial applications**

DESCRIPTION

Bastion Levelling and Smoothing Compound is designed to level and smooth internal sub-floors prior to applying floor finishes.

SUBSTRATES

Bastion Levelling and Smoothing Compound is designed for installation over new and existing concrete.

SURFACE PREPARATION

Mechanically clean the floor using recommended preparation methods such as shot blasting, scarifying, diamond grinding, shaving or other suitable methods to provide a roughened, clean, sound, solid and open porous surface. Acid etching is not an acceptable method of cleaning the subfloor.

Do not use solvents or sweeping compounds. Subfloors must be dry (AS 1884) and properly primed for successful installation. Subfloor temperatures must be a minimum of 10°C.

PRIMING

Use Dunlop Multipurpose Primer over standard concrete floors prior to the installation of Bastion Levelling and Smoothing Compound. Apply evenly using a push broom. Do not use paint rollers, mops or spray equipment. Do not leave any bare spots. Brush off all puddles of excess primer. Allow to dry to a thin, clear film (min. 3 hours, max. 24 hours). Low sub-floor temperatures and/or high ambient humidity requires longer drying time for the primer. Do not install Bastion Floor Levelling and Smoothing Compound until the primer has dried thoroughly.

MIXING RATIO

Mix 4.5 Litres of water to 20kg of Bastion Levelling and Smoothing Compound.

MIXING

Bastion Levelling and Smoothing Compound should be mixed with the correct amount of water using a heavy-duty electric drill (650rpm) and mixing paddle for 2-3mins to create a lump free consistency. Cement mixers and hand mixing are not suitable methods for mixing.

INSTALLATION

Pour the mixed Bastion Levelling and Smoothing Compound onto the prepared subfloor and spread in place using the appropriate tools; Thickness gauging rakes, stand up smoothing spreaders and hand tools.

Do not rework the Bastion Levelling and Smoothing Compound after 10 minutes. If required, additional layers of Bastion Levelling and Smoothing Compound can be applied once

the previous layer has hardened sufficiently. Prime between layers.

For areas subject to heavy traffic and heavy loads, such as supermarkets, extended times must be allowed before the floor is subjected to highly loaded trolleys. At 23°C, it is recommended that 7 days cure are allowed before heavy loads. Low temperatures may extend this time.

THICKNESS

Bastion Levelling and Smoothing Compound can be applied from 2.5-12mm in one application without aggregate. For areas requiring a thickness over 12mm to a maximum of 20mm, Bastion Levelling and Smoothing Compound must be mixed with a well washed and dried 2-5mm aggregate.

Mix Bastion Levelling and Smoothing Compound with water first then add the aggregate in equal volume to mixed mortar whilst mixing.

DRYING-HARDENING

Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% relative humidity).

Walkable from 2-3 hours.

Conventionally laid carpet and floating floors can be installed after 24 hours.

Direct stick applications such as vinyl flooring after 48 hours.

Bastion Levelling and Smoothing Compound can also be used under direct stick timber flooring at a minimum of 3mm with an approximate drying time of 72 hours.

COVERAGE

Approximately 1.7kg powder/mm². A 20kg bag of Bastion Levelling and Smoothing Compound will cover approximately 4m² at 3mm thickness.

COMPRESSIVE STRENGTH

After 1 day 17MPa
After 7 days 25MPa
After 28 days 30MPa

TENSILE BENDING STRENGTH

After 1 day 4MPa
After 7 days 8MPa
After 28 days 10MPa

STORAGE

Bastion Levelling and Smoothing Compound has a shelf life of 12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

SAFETY DATA

This product may cause irritation and an allergic reaction to the skin. It may cause serious eye injury and irritation to the respiratory system. In case of contact with the eyes rinse with running water until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. Store locked up. Check with your local Council regarding the disposal of contents, dispose of packaging thoughtfully and recycle where possible. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. Additional information is in the Safety Data Sheet (SDS) at www.bunnings.com.au

PACKAGING SIZE

Available in a 20kg bag.

DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system being employed and other products in that system. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations. The supply of our products and services is also 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.

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