Technical Datasheet
Mega-Base MT
Smoothing Compound

Moisture Tolerant Smoothing Compound

Product Description
Mega-Base MT is a rapid-drying cement-based smoothing compound. It provides excellent coverage and high adhesion strength to a range of internal substrates with advanced moisture and alkali resistance. Mega-Base MT creates a smooth, even surface and provides rapid drying characteristics to reduce installation downtime.

Recommended Use
- Mega-Base MT may be used over various internal substrates including concrete, timber, ceramic tiles and terrazzo, prior to the installation of resilient and carpet floor coverings.
- Suitable for use as a skim coat, or for smoothing and patching of minor surface irregularities, typically up to 3 mm. For deeper repairs, a rapid-setting repair mortar or levelling compound may be preferable.
- Compatible with Karndean's complete range of adhesives and LVT products.



Key Features
- Rapid drying.
- Easy mixing and application.
- Excellent coverage - skim coat up to 50m2.
- High adhesion strength.
- Moisture tolerant formulation.
- Compatible with Karndean's range of adhesives and LVT
- Australian made.

Substrate and Surface Preparation
Subfloors and substrates must be prepared in accordance with Australian Standards AS 1884. Substrates shall be dry, sound, smooth, clean, roughened and free from surface moisture and any contaminants that may impair adhesion.
- Mechanically prepare the surface using suitable methods such as sanding, grinding or shot blasting to remove all contaminants, and to produce a clean, sound, roughened surface suitable for the application of smoothing compounds. Thoroughly vacuum all loose material and dust prior to application.
- Do not use solvents or acid etching to prepare or clean substrates.
- Priming is generally not required. For particularly porous substrates, consult with Karndean Technical Services.

Moisture and Alkali Resistance
- All subfloors must be tested in accordance with AS 1884 prior to the installation of floor coverings.
- Mega-Base MT Smoothing Compound can be applied to suitably prepared porous concrete substrates with a falling moisture content up to 95% Relative Humidity (RH) and pH 12.0.

Mixing Ratio

- 450ml clean water per 1 kg of powder or;
- Approximately 2L of clean water per 4.5kg unit

Application Method

- Priming is generally not required. For particularly porous substrates, consult with Karndean Technical Services.
- Place clean water into a clean mixing pail, then add the appropriate quantity of powder.
- Stir thoroughly using a suitable mechanical mixer until a smooth, lump-free and uniform consistency is achieved.
- Ensure all materials are thoroughly combined and evenly dispersed throughout the mix prior to application to promote optimum working characteristics, bond strength and performance.
- Immediately apply the mixed compound to the prepared substrate with a flat trowel to obtain the desired thickness.

Setting times

- Mega-Base MT is a rapid-drying formulation and should be placed and spread immediately after mixing. Material left in the mixing pail may cure quickly due to the retained mass and heat generated during the curing process.
- Mega-Base MT will typically harden after approximately 20 minutes and will be ready to receive floor coverings after approximately 30 minutes.
- The minimum recommended subfloor temperature before commencing application is 10°C.
- NOTE: Drying, coverage and working time may vary due to thickness, airflow, humidity, temperature, substrate profile, porosity and site conditions.

Spread Rate and Coverage

- 4.5kg bag inside 5L mixing pail
- Yields approximately 9m^2 @ 1mm thickness per 4.5kg unit, or up to 50m^2 as a skim coat.

Clean Up

- Clean tools immediately after use with water.
- Remove surplus material and clean adjacent finished surfaces immediately using a damp cloth or sponge.
- Once hardened, Mega-Base MT may require mechanical removal.

Considerations for Use

- Internal use only.
- Not suitable for direct-stick timber flooring applications.
- This product is moisture tolerant within its published limitations but is not a moisture vapour barrier and does not prevent the transmission of moisture vapour or alkalinity through the substrate or protect other flooring system components from moisture.
- Always consider the moisture and pH limits of the selected floor covering and the broader installation system.
- Concrete slabs on or below grade must be installed with an effective sub-slab damp proof membrane.
- Under high moisture conditions, concrete should be mechanically prepared to a minimum CSP 2 profile and confirmed to be suitably absorbent.
- Concrete must be a minimum of 30 days drying and sufficiently cured (drying time should be calculated from when the slab was poured or last wetted by rain)
- Where moisture ingress, rising dampness, hydrostatic pressure or similar conditions are identified, the underlying cause should be assessed and appropriately remediated prior to installation.
- Do not apply over expansion joints as reflective cracking may occur.
- Drying times may be extended when applied in cold ambient temperatures

Storage and Shelf Life and Disposal

- Non-combustible material.
- Shelf life: 12 months when stored in original unopened packaging.
- Store in a dry, temperature-stable environment away from direct sunlight.
- Protect from moisture, contamination and extreme temperatures- including freezing.
- Keep containers off cold floors and tightly sealed when not in use.
- Dispose of contents and container in accordance with local, regional, and national regulations.
- Do not pour unused material into drains or waterways.

Safe Handling

- Avoid contact with eyes and repeated or prolonged skin contact.
- Avoid breathing dust.
- Use only in well-ventilated areas.
- Wear appropriate protective clothing, gloves and eye/face and respiratory protection.
- Airborne dust should be minimised during mixing and preparation using suitable dust extraction, air scrubbing or other dust control measures as required.
- Wash hands, face and exposed skin thoroughly after handling.
- Do not eat, drink or smoke while using this product.
- Wash contaminated clothing and protective equipment before re-use.
- Keep out of reach of children.

Health and Safety

DANGER: This material is considered hazardous according to the criteria of Safe Work Australia GHS 7.
CONTENT: Cement, alumina, chemicals 30-60 %, portland, chemicals 10-30 %

First Aid Measures

- **Skin Contact:** Wash thoroughly with soap and water. If irritation or rash occurs, seek medical advice.
- **Eye Contact:** Immediately flush with water for at least 15 minutes and seek urgent medical attention. Remove contact lenses, if present and easy to do.
- **Inhalation:** Remove person to fresh air and keep at rest. Seek medical advice if symptoms persist.
- **Ingestion:** If swallowed, give water to drink. Do not induce vomiting. Seek medical attention.
- If medical advice is needed, have the product container or label available.
- For advice, contact a Poisons Information Centre: Australia: 13 11 26

A Safety Data Sheet (SDS) is available upon request: customerservice@karndean.com.au

Warranty Statement

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification. We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials. RLA Polymers will replace the product free of charge when purchased from any legally verifiable source and where a product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.
Sufficient time and access to investigate any complaint must be accorded to RLA Polymers.
The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by:
PHONE: 1800 242 931
EMAIL: info@rlapolymers.com.au
MAIL: 215 Colchester Road Kilsyth Victoria 3137 (Customer Service)
WEBSITE: rlapolymers.com.au

Australian Consumer Law

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

Disclaimer

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed. Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.

Contact Karndean

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