

MOREFLEX

TILE ADHESIVE



www.rlapolymers.com.au
TECHNICAL ENQUIRIES TOLL FREE No.1800 242 931

Characteristics:

- Moreflex is a rubber modified, Flexible flexible white cement based tile adhesive.
- Moreflex can be used internally on walls and floors and externally where it is under cover with appropriate fall to a drain with no ponding.
- It is designed for bonding all types of ceramic, stone and mosaic tiles onto a variety of substrates like concrete, render, rendered brickwork, block work, Gyprock, plasterboard, fibre cement
- It can be used internally or externally on wall and floor surfaces.
- Moreflex can be used for fixing low porosity tiles.
Note: note suitable for moisture sensitive tiles, commercial FS should be used in these applications.
- Moreflex can be used to fix tiles over most waterproofing membranes. However it is advisable to contact the manufacturer prior to commencing.
- Do not use for moisture sensitive stone like green marble.

Preparation:

- Ensure all concrete slabs are allowed to cure for at least 6 weeks and have a wood float finish.
- All rendered surfaces must be allowed to cure for at least 7 days prior to commencing tiling.
- The maximum variation in the plane to the concrete must not exceed 5mm in 3 meters for floors and 4mm in 2 meters for walls.
- Steel towelled finished concrete surfaces must be mechanically or chemically abraded prior to commencing tiling. In some instances Universal Primer can be used, but it is recommended you contact RLA technical for further information on this.
- Fibre Cement sheet when used as an underlay must be a minimum of 6mm in thickness. For heavy duty commercial applications it should be a minimum of 9mm thick and all should be fixed in accordance with the manufacturer's instructions and the relevant standards.
- Compressed Fibre-Cement sheets when used as a floor substrate must be 15mm thick, and when used as a wall substrate must be 9mm thick and must be installed in accordance with the manufacturer's instructions and the relevant standards.

- Gypsum-plasterboard sheets when used as a wall substrate must be a minimum of 10mm thick, and installed in accordance with the manufacturer's instructions and the relevant standards.
- Existing tiles should be coated with RLA Universal Primer.
- Ensure all surfaces are sound, dry and free from excessive movement, oil, dust, grease, wax, paint, curing compounds, release agents and any other loose contaminating materials.
- All porous surfaces like concrete, screeds, fibre cement sheet etc. should be primed using RLA Uniprime.
- When applying the primer onto a floor surface it is recommended to firstly pour some primer in a section then spread the primer using a broom, brush or roller. Then continue this method of application until the entire area is primed.

Note: This method of application ensures a thorough coat of the primer on the surface.

- Allow the primer to dry for approximately 30 - 40 minutes at 20 °C prior to commencing tiling.
- Any excess Uniprime that has not dried should be removed with a rag prior to tiling.

Expansion/Movement Joints:

Expansion/movement joints must be provided to allow for movement between adjacent building components.

They should be as follows:

- Over Existing joints in the substrate.
- Where two different substrates meet.
E.g. timber and Concrete.
- Around fixed elements in the floor E.g. Columns.
- At internal vertical corners.
- Around the perimeter of the floor.
- In internal floors where any dimension exceeds 9m or 6m if subjected to sunlight.
- In external floors where any dimension exceeds 4.5 m.



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- On wall surfaces at storey heights horizontally and approximately 3m-4.5m apart vertically. Ideally they should be located over movement joints in the structural background and at structural material changes for example the horizontal joint at the bottom of floor slabs, vertical joints at internal vertical corners, and at junctions with columns.
- Movement joints should go right through the tile adhesive bed to the background and kept free from dirt and adhesive droppings. Movement joints must not be less than 8mm and not wider than 10mm. The movement joints must be installed as per AS3958:2007

Mixing:

- The mixing ratio of Moreflex is approx 20kg of powder to 6 Litres of water.
- Pour 6 litres of clean water into a drum and then gradually add the Moreflex while mixing continuously until a smooth lump free mix is obtained. Always add powder to liquid.
- Allow the mix to stand for 10 minutes, re-stir and then apply the adhesive onto the substrate.

Application:

- All tiling should be carried out in accordance with Australian Standard AS3958.1-2007.
- Once the surface has been appropriately prepared in accordance with RLA's instructions then apply the adhesive onto the substrate using an appropriate notched trowel.
- For floor tiling use a 10mm x 10mm square notched trowel for tiles up to 300mm x 300mm. For tiles 300mm x 300mm and larger use a 12mm x 12mm square notched trowel and back butter each tile. For mosaic tiles use a 6mm x 6mm square notched trowel.
- For wall tiling use 6mm x 6mm square notched trowel for liles tiles up to 150mm x 150mm. For tiles larger than 150mm x 150mm use a 10mm x 10mm square notched trowel.

- Moreflex should be applied onto the substrate at a rate of 1m² at a time. Application rates greater than this can result in the adhesive skinning before the tiles are laid into it.
- Once the adhesive is applied onto the substrate ensure that it does not skin prior to bedding the tiles into it. Touch test if in doubt by placing a finger onto the wet adhesive if there is minimum or no adhesive transfer the adhesive is most likely skinned and should be removed and reapplied.
- When placing the tiles into the adhesive press them in by using a sliding action. Ensure no voids occur and full coverage of adhesive is under the tiles.
- For tiles with lugs, grooves or uneven backing it may be required to butter the back of the tile with adhesive in addition to trowelling the adhesive onto the substrate.
- The final bed thickness of the adhesive should be at least 2mm for wall tiling and 3mm for floor tiling.
- Do not disturb tiling for at least 24 hours.
- Protect tiling from rain and inclement weather until 24 hours alter after grouting is complete.

Clean up:

- Excess adhesive from the face of the tiles can be cleaned up with damp cloth while the adhesive is still wet.
- Adhesive that has oozed out into the grout joint must be raked out with a knife/spatula etc.
- Tools and other equipment can be cleaned up using water while the adhesive is still wet.

Coverage:

- A 20kg bag of Moreflex will cover approximately 8 -10m² using a 10mm notched trowel.

Grouting Application:

- Grouting application can commence 24 hours after the completion of tiling.
- After grouting allow to cure undisturbed for 24 hours at 20°C before putting area into service.



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Packaging/Shelf Life:

- Moreflex is available in 20kg bags.
- A bag of Moreflex, when stored in a cool, dry environment, and is stored above ground level, will have a shelf life of approximately 12 months.

Safely Directions:

- Hazardous - Contains cement silica.
- Wear gloves and mask when handling.
- Wash hands thoroughly after use.

Manual Handling:

- Manual handling of this bag without due care and attention may result in personal injury.

Handy Tips:

- Do not apply Moreflex in temperatures above 40°C and below 5°C.
- Internal framed floors with spans of more than 5m and external framed decks require special consideration. Contact RLA's Technical Department for special advice.
- Moreflex cannot be used for fixing tiles in permanently immersed situations like swimming pools, spas etc. and permanently damp concrete slabs like those present around the pool surrounds etc.
- Moreflex can not be used for fixing tiles directly to timber floors.
- For applications/situations not mentioned in these instructions please contact your nearest RLA office.
- Moreflex being cement based is alkaline in nature, and therefore may cause dermatitis. It is recommended that applicators wear PVC gloves or similar and safely goggles.
- For a full MSDS on this product please contact your nearest RLA office.

Technical Data

Appearance	OffWhite Powder	Pot Life	2 Hours @ 20°C
Bulk Density	1.18 +/- 0.05	Ready for grouting	16 hours @ 20°C
Open Time	Approx 20 minutes @ 20°C	Light foot traffic	24 hours
Adjustment Time	Approx 30 minutes @ 20°C	Ready for wet area service	3-4 days

Disclaimer: The information supplied is to the best of our knowledge true and accurate. The actual application of the product is beyond the manufacturers control. Any failure or damage caused by the incorrect usage of the product is not the responsibility of the manufacturer. The manufacturer insists that all workmanship must be carried out in accordance with AS 3958.1-2007. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.



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