TILEFLEX

HIGH PERFORMANCE NON-SLUMP TILE ADHESIVE

Characteristics:

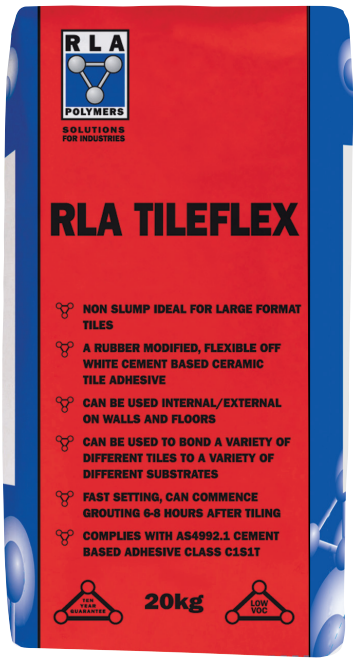
- RLA Tileflex is a rubber modified, Non Slump flexible grey cement based tile adhesive.
- It is designed for bonding all types of ceramic. stone and mosaic tiles onto a variety of substrates like concrete, render, rendered brickwork, block work, Gyprock, plasterboard and fibre cement surfaces.
- It can be used internally or externally on wall and floor surfaces.
- RLA Tileflex can be used for fixing low porosity tiles.
- RLA Tileflex can be used to fix tiles over existing tiles as long as the surface is coated with RLA Universal Primer.
- RLA Tileflex can be used to fix tiles over most waterproofing membranes.
- RLA Tileflex is fast setting, so tiles can be grouted 6-8 hours @ 20°C after the completion of tiling.
- Do not use for moisture sensitive stone like green marble.

COMPLIES WITH

AS ISO 13007.1-2013
Class C1S1T

C2 - High Bond Strength
S1 - Good Flexibility
T - Non Slump

TEN YEAR GUARANTEE



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 of the concrete must not exceed 5mm in 3 meters for floors and 4mm in 2 meters for walls.
- Steel trowelled finished concrete surfaces must be mechanically or chemically abraded prior to commencing tiling.
- 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 manufacturers 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.
- Ensure all surfaces are sound, dry and free from excessive movement, oil, dust, grease, wax, curing compounds, release agents and any other loose contaminating materials.
- It is recommended that all porous surfaces be primed with Uniprime to ensure a sound bond of the adhesive to the substrate.
- 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 to 40 minutes at 20^{0}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 comers.
- 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 4.5m.
- On wall surfaces at story 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 comers, 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 6mm and not wider than 10mm. The movement joints must be filled with a flexible sealant like Silicone and installed as per AS3958:2007.

Mixing:

- The mixing ratio of RLA Tileflex is 20kg of powder to 6 litres of water.
- Pour 6 litres of clean water into a drum and then gradually add the RLA Tileflex while mixing continuously until a smooth lump free mix is obtained. Always add powder to liquid.
- Allow the mix to stand for 1 minute, re-stir and then apply the adhesive onto the substrate.

Issue Date - 06/11/2018

Application:

- 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. For mosaic tiles use a 6mm x 6mm square notched trowel.
- For wall tiling use 6mm x 6mm square notched trowel for tiles up to 150mm x 150mm. For tiles larger than 150mm x 150mm use a 10mm x 10mm square notched trowel.
- RLA Tileflex 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. Once the adhesive skins do not lay tiles into it, but remove it and apply fresh adhesive.
- 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 larger than 330mm x 330mm or tiles with lugs, grooves or uneven backing it is 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.
- Once the tiling is completed do not disturb the tiled surface for at least 6 - 8 hours hours at 20°c.
- Protect tiling from rain and inclement weather until 24 hours 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 RLA Tileflex will cover approximately 5-7m² using a 10mm notched trowel.

Grouting Applicatlion:

- Grouting application can commence 24 hours after the completion of tiling.
- Grouting can be done using RLA's Smooth or Sanded Grouts.
- Apply the grout onto the surface using a rubber float or squeegee. Work the grout in a diagonal motion to avoid dislodging the grout from the joints.
- Clean up can be done using a damp sponge. Ensure you use a clean sponge every time.
- Grout will fully dry in 24 hours at 20°c, after which time the area can be put into service.

Packaging / Shelf Life:

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

Handy Tips:

- Do not apply RLA Tileflex in temperatures above 40°c and below 5°c.
- RLA Tileflex cannot be used for fixing tiles over timber or steel framed floors where spans are larger than 5m or in external areas, call RLA for technical advice.
- RLA Tileflex 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.
- For applications / situations not mentioned in these instructions please contact your nearest RLA office.
- RLA Tileflex being cement based is alkaline in nature and therefore may cause dermatitis. It is recommended that applicators wear PVC gloves or similar and safety goggles.

Safety Directions:

- For a full MSDS on this product please contact your nearest RLA office.
- Hazardous - Contains cement silica.
- Wear gloves and mask when handling.
- Wash hands thoroughly after use.
- Manual handling of this bag without due care and attention may result in personal injury.

Technical Data

Appearance	Grey 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

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SOLUTIONS FOR INDUSTRY

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Issue Date - 06/11/2018