



SOLUTIONS FOR INDUSTRY

RLA CERAMIC TILE ADHESIVE 10 year Limited Warranty

RLA Polymers Pty Ltd; undertakes to warranty Resinflex (or RLA Flex 2-Part), and RLA Flex 1-Part, when used to install tiles over Protectowrap AFM for a period of ten (10) years, from date of purchase on the following basis:

The ten year warranty covers any tiling failure that is proven as being caused by faulty adhesive. In the event of a failure occurring as a result of RLA's product being shown to be faulty, RLA Polymers undertakes to pay a proportion of current material and labor costs of any rectification work required due to product failure at the rate of 10% of such cost for each unexpired year of the Warranty period remaining subject to the following:

Scope

- a) RLA Polymers' liability is limited to the area that requires repair only, and to replace where applicable, tiles, adhesive and grout only;
- b) RLA Polymers retains the right to appoint a suitably skilled tiler/waterproofer of its own choice to undertake repairs;
- c) In the event that replacement tiles are not readily or reasonably available; RLA Polymers will not be obliged to exactly match the existing tiles.
- d) The installation must be registered with RLA Polymers by completing and returning the attached form as soon as practical after completion of installation. Receipt of this must be acknowledged by RLA Polymers.

Limitations

RLA Polymers will not accept liability for circumstances beyond its control, including but not limited to:

- a) Failure resulting from structural movement, including shrinkage, excessive vibration and or deflection, subsidence;
- b) Failure caused by; third parties, unknown environmental conditions, usage conditions beyond RLA Polymer's control;
- c) Failure caused by deviation from RLA Polymers written instructions, specifications, and data sheets, and non-compliance with BRANZ® good tiling practice and AS3958:1990 parts 1 and 2. Where the Consumer Guarantees Act 1993 applies; if the product is acquired for business purposes, it is agreed that the Consumers Guarantee Act 1993 does not apply. RLA Polymers liability in respect of the product is limited to the remedies set out in this warranty.

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RLA POLYMERS PTY LTD

ACN 004 709 915

Australia

215 Colchester Road, Kilsyth
Victoria 3137, Australia

PO Box 147, Kilsyth
Victoria 3137, Australia

Telephone (03) 9728 1644
Facsimile (03) 9728 6009
Email: info@rlapolymers.com.au

Queensland

25 Computer Rd.
Yatala QLD 4207
Telephone (07) 3807 4022
Facsimile (07) 3807 4755

New South Wales

138 Hassall St.
Wetherill Park
NSW 2164
Telephone (02) 9609 4755
Facsimile (02) 9604 3199

New Zealand

68 Dalgety Drive, Manukau City
Auckland, New Zealand

PO Box 97-575, Manukau City
Auckland, New Zealand

Telephone (9) 268 0301
Facsimile (9) 268 0305

Malaysia

No 5, Lebuhraya Petai, Pandamaran
42000 Port Klang, Selangor D.E.

Telephone 03-31661039
Facsimile 03-31661037



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The information supplied is to the best of our knowledge true and accurate. The actual application of the product is beyond the manufacturer's 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 AS3958.1-1991. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.

RLA Warranty Registration Form

This form needs to be completed, and returned for registration to RLA Polymers Pty Ltd (PO Box 97 575 S.A.M.C) as soon as possible after completion of the job, in order to ensure warranty cover.

Job Address:

Date Completed:

Installers Name:

Installers Ph#:

Type of Substrate:

RLA Adhesive used:

Grout Used:

Colour #:

Area of tiles laid:

(m²)

Tile Type & Colour:

Tile Size:

Tiles Purchased from:

Comments:

Declaration

I have read and understand the conditions of this warrantee and accept that any subsequent claim is limited to the application having been completed as set out in the conditions stated previously. I declare that I understand all advice and specifications received from RLA Polymers, both written and verbal and agree to abide by them. I understand that this Warrantee is limited to product failure only and I am fully responsible for ensuring all application is completed as per product data sheets and as set out in the conditions stated previously.

Name:

Signed:

Date:

Office Use Only:

Warranty accepted:

Date:

Authorized by:



SOLUTIONS FOR INDUSTRY

RLA Flex 1-Part

Characteristics:

- Ž RLA Flex 1-Part is a premium grade, Flexible off white 1-part ceramic tile adhesive designed to withstand movement in the substrate, where conventional adhesives are too rigid.
- Ž It is designed for bonding all types of ceramic, stone, with the exception of light coloured and Green marble, and mosaic tiles onto a variety of substrates like concrete, rendered brickwork, block work, plasterboard, fibre cement, particle board, and tongue and groove timber surfaces.
- Ž It can be used internally or externally on wall and floor substrates.
- Ž RLA Flex 1-Part can be used to fix low porosity tiles, over timber floors without using underlays and over most waterproofing membranes.

Preparation:

- Ž Ensure that all surfaces are sound dry and free from excessive movement, oil dust, grease, wax, curing compounds, release agents, paints and any other loose contaminating material.
- Ž It is recommended that all surfaces be primed with Uniprime, especially porous surfaces, to ensure a sound bond of the adhesive to the substrate.
- Ž Allow the primer to dry for approximately 30-40 minutes at 20°C prior to commencing tiling.

Expansion/ Movement Joints:

- Ž Expansion/ Movement joints must be provided to allow for movement between adjacent building components. They should be as follows:
- Ž Over existing joints in the substrate, where two different substrates meet e.g. Plasterboard and fibre cement sheet, at internal vertical corners.
- Ž On wall surfaces at storey heights horizontally and approx. 3m-4.5m apart vertically.
- Ž 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 6 mm and not wider than 10 mm. The movement joints must be filled with a flexible sealant like Silicone.

Mixing:

- Ž The mixing ratio of RLA Flex 1-Part is 20kg of powder to approximately 5-6 litres of water.
- Ž Pour the water into a clean drum and then gradually add the RLA Flex 1-Part while mixing continuously until a smooth lump free mix is obtained. Always add powder to liquid.
- Ž Allow the mix to stand for 10 minutes, re-stir and then apply the adhesive onto the substrate.

Application:

- Ž RLA Flex 1-Part 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.
- Ž 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.
- Ž When placing the tiles into the adhesive press them in by using a twisting or sliding motion. Ensure no voids occur and full coverage of adhesive is under the tiles.
- Ž Once the tiling is complete do not disturb the tiled surface for at least 24 hours at 20°C.

Clean up:

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

Coverage:

- Ž A 20kg bag of RLA Flex 1-Part will cover approximately 7-9m² using a 12mm notched trowel.

Grouting Application:

- Ž Generally grouting can be carried out after the adhesive has achieved a firm set (24 hours).
- Ž Use either RLA Grout, Smooth Grout, or Flexi-grout™ liquid premix.

Packaging/ Shelf Life:

- Ž RLA Flex 1-Part is available in 20 Kg bags.
- Ž A bag of RLA Flex 1-Part, when stored in a cool, dry environment, and is stored above ground level, will have a shelf life of approximately 12 months.

Handy Tips:

- Ž RLA Flex 1-Part can not be used for fixing tiles in permanently immersed situation like swimming pools, spas etc. and permanently damp concrete slabs like those present around the pool surrounds.
- Ž RLA Flex 1-Part is not suitable for applications where heavy traffic or high point loads will be applied over the tiling installation.
- Ž RLA Flex 1-Part is classified as a non-hazardous product.
- Ž For a full MSDS on this product please contact your nearest RLA office.
- Ž RLA Flex 1-Part being cement based is alkaline in nature, and therefore may cause dermatitis.

Technical Data:

<u>Properties</u>	<u>Results</u>
Appearance	Off white powder
Bulk Density	Powder 1.00 +/- 0.05
Open Time	Approx. 45 minutes @ 20°C
Pot Life	Approx. 3 hours @ 20°C
Drying Time @ 20°C	Approx. 24 hours
Tensile Strength	0.40 MPa
Modulus of Elasticity	0.42 MPa

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SOLUTIONS FOR INDUSTRY

RLA Flex 2-Part (Resinflex)

Ceramic Tile Adhesive

Characteristics:

- Ž Resinflex is a rubberized two pack flexible adhesive for bonding most types of ceramic tiles and stone onto substrates that may be subject to movement, vibration and thermal expansion.
- Ž Resinflex gives a soft under foot feel to tiles and assists in reducing acoustic transfer.
- Ž Resinflex can be used internally or externally for most domestic and light commercial tiling applications where the substrate is subject to movement e.g. thermal expansion, flexing and vibration.
- Ž Resinflex is typically applied to: Concrete, Render, Fibre cement sheets, Heated floor slabs, Plasterboards, Particle board / plywood, Most solvent free membranes, Steel.
- Ž **Resinflex is the recommended adhesive for timber floors.**

Preparation:

- Ž While in most cases Resinflex can be applied directly to the substrate; there are occasions where priming may be necessary. e.g. on very porous masonry or very dense smooth surfaces.
- Ž In all instances the substrate needs to be well fixed, dry and free from any contamination.
- Ž Special note should be taken on the fixing and sealing requirements of the substrate supplier.
- Ž Where water proofing is required use **Miracryl 2 part** or **Polymer Liquid Seal**.
- Ž Existing paint work, plastic coated materials etc. must be clean and firmly adhered. Roughen up with sandpaper to provide a good key.

Expansion/ Movement Joints:

- Ž Expansion/ Movement joints must be provided to allow for movement between adjacent building components. They should be as follows:
- Ž Over existing joints in the substrate, where two different substrates meet e.g. Plasterboard and fibre cement sheet, at internal vertical corners.
- Ž On wall surfaces at storey heights horizontally and approx. 3m-4.5m apart vertically.
- Ž 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 6 mm and not wider than 10 mm. The movement joints must be filled with a flexible sealant like Silicone.

Mixing:

- Ž In a clean bucket, add sufficient of the liquid component (allow about 1-1.5 L per square metre) and while stirring add the powder component at a ratio of about 2 Kg powder per litre of liquid.
- Ž Mix until a smooth limp free paste is achieved.
- Ž Note: The componentry of Resinflex **must not** be watered down or adjusted, and cannot be substituted with other brands.

Application:

- Ž Resinflex is generally applied to the substrate with a 6-10 mm notched trowel.
- Ž Applying about a square metre at a time and firmly pressing the tiles into the adhesive making sure that the adhesive has not "skinned off". Any material that has "skinned" should be scraped off and discarded.

Clean up:

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

Coverage:

- Ž Coverage will vary depending on the substrate condition and the type of tile but is approximately 14-18 m² per 20L/40Kg kit.

Grouting Application:

- Ž Generally grouting can be carried out after the adhesive has achieved a firm set (min 48 hours) if using impervious tiles over membranes and in cold climate, the set time will be longer.

Packaging/ Shelf Life:

Available in: 1L / 2.0 Kg Kit, 4L / 8.0 Kg Kit, 10L / 20 Kg Kit, 20L / 40 Kg Kit

- Ž When stored in a cool, dry environment, and above ground level, will have a shelf life of approximately 12 months.

Handy Tips:

- Ž Resinflex is classified as a non-hazardous product.
- Ž For a full MSDS on this product please contact your nearest RLA office.
- Ž Resinflex being cement based is alkaline in nature, and therefore may cause dermatitis.
- Ž **Note:** Resinflex cures by both evaporation, and hydration. Tile absorption, climate and substrate porosity will effect the above cure and setting rates.
- Ž Resinflex is not suitable for applications where heavy traffic or high point loads will be applied over the tiling installation.

Technical Data:

<u>Properties</u>	<u>Results</u>
Appearance	Powder: Grey, Liquid: White
Bulk Density	Powder: 1.25 +/-0.05, Liquid: 1.10 +/- 0.05
Open Time	Approx. 45 min @ 20°C
Pot Life	Approx. 3 hours @ 20°C
Drying Time @ 20°C	Approx. 48 hours
Tensile Strength	0.38 MPa
Modulus of Elasticity	0.42 MPa

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