



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:

Properties	Results
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

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 insist that all workmanship must be carried out in accordance with AS3958 part 1 1991. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.