

## RLA LITE

### Light Weight Flexible Tile Adhesive C2S1ET



#### **DESCRIPTION:**

RLA LITE is a smooth, non-sanded, multiple-purpose, flexible, white tile adhesive. It is non-slip/non-slump and ideal for large format tiles. Specially designed for bonding all types of ceramic, stone, and mosaic tiles onto various substrates like concrete, render, brickwork, blockwork, Gyprock, plasterboard, fibre cement, Sand and cement screeds, green screeds, and appropriately prepared flooring boards.

It can be used internally or externally on wall and floor surfaces and for fixing Porcelain and Vitrified tiles.

RLA LITE is a C2S1ET adhesive.

RLA LITE can be used to fix tiles over existing tiles as long as the existing tiles have been coated with-

[RLA UNIVERSAL PRIMER](#).

RLA LITE can be used to fix tiles over most waterproofing membranes. However, it is advisable to contact the manufacturer before commencing.

RLA LITE can be used over some acoustic mats. and Floor Heating systems

#### **Not for use with moisture-sensitive stone.**

RLA Lite is suitable for tile types such as Terracotta, Ceramic, Porcelain, and Natural Stone: including marble, granite, Some limestones, travertine, and glass mosaics

#### **FEATURES & BENEFITS:**

- High bond strength.
- Non-slip / non-slump.
- Flexible.
- Lightweight technology.
- Low VOC
- Extended coverage and extended open time

#### **SURFACE PREPARATION:**

- Ensure all concrete slabs are allowed to cure for at least seven days and have a wood float finish.
- All rendered surfaces must be allowed to cure for at least 24 hours before commencing tiling.

#### **SURFACE PREPARATION:**

- The maximum variation in the plane of the concrete must not exceed 5mm in 3 metres for floors and 4mm in 2 metres for walls Steel-trowelled finished concrete surfaces must be mechanically or chemically abraded before commencing tiling.
- Fibre Cement sheet must be a minimum of 6mm in thickness when used as an underlay material.
- For heavy-duty commercial applications should be a minimum of 9mm thick, and all should be fixed by the manufacturer's instructions and the relevant standards.
- Structural Particle Board used as a flooring material must be a minimum of 19mm thick, fixed by the manufacturer's instructions and the relevant standards and must be heavily sanded with 30-grit sandpaper to remove the dark surface of the flooring board.
- Gypsum-plasterboard sheets must be a minimum of 10mm thick and installed by the manufacturer's instructions and the relevant standards when used as a wall substrate.
- Ensure all surfaces are sound, dry, and free from excessive movement, oil, dust, grease, wax, curing compounds, release agents, paints, and other loose contaminating materials.
- It is recommended that all surfaces be primed with [RLA UNIPRIME](#), particularly on porous surfaces, ensures a good bond of the adhesive to the substrate.
- When applying the primer onto a floor surface, pouring some primer in a section is recommended, then spreading the primer using a broom, brush, or roller. Then continue this method of application until the entire area is primed.

#### **Note:**

This application method ensures a thorough coat of the primer on the surface. Any excess Uniprime that has not dried should be removed with a rag before tiling.

Allow the primer to dry for approximately 30 - 40 minutes at 20°C before commencing tiling.

## **MIXING RATIO:**

The mixing ratio of RLA LITE is 14kg of powder to 5.6 litres of water.

Pour 5.6 litres of clean water into a drum and then gradually add the RLA LITE while mixing continuously until a smooth, lump-free mix is obtained.

Always add the powder to the liquid.

Allow the mix to stand for 3 minutes, re-stir and then apply the adhesive onto the substrate.

## **APPLICATION:**

All preparation and tiling should be carried out by

AS 3958.1-2007 -Guide to the Installation of Tiles.

AS 3958 1 Amdt 1-2020 Ceramic Tiles Guide to the Installation of Tiles Amendment 1-2012.

- Once the surface has been appropriately prepared per RLA's instructions, apply the adhesive onto the substrate using an appropriate notched trowel.
- For the floor, and wall 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.
- Use a 6mm x 6mm square notched trowel for mosaic tiles.
- For wall tiling, use a 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 LITE should be applied onto the substrate at a rate of 1m<sup>2</sup> 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 before bedding the tiles into it. Once the adhesive skins, do not lay tiles into it, but remove it and apply fresh adhesive.
- Press the tiles when placed into the adhesive using a sliding action. Ensure no voids occur, and full adhesive coverage 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 and 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 24 hours at 20°C. Protect tiling from rain and inclement weather until 24 hours after grouting is complete.

## **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 on 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.
- 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 junctions with columns.
- Movement joints should go through the tile adhesive bed to the background and be free from dirt and adhesive droppings.
- Movement joints must not be less than 6mm and not wider than 10mm.
- The movement joints must be installed as per AS3958:2007.

## **GROUTING APPLICATION:**

Grouting application can commence after adhesive curing for 24 hours at 20°C.

Grouting can be done using RLA's Grouts.

Follow RLA application instructions.

Wait to allow foot traffic on tiling until 24 hours after the grout has cured.

## **CLEAN UP:**

Excess adhesive from the face of the tiles can be cleaned up with a damp cloth while the adhesive is still wet. The 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 using water while the adhesive is still wet.

## TECHNICAL DATA:

PRODUCT INFORMATION:	
Colour	WHITE POWDER
Bulk Density (kg/dm <sup>3</sup> )	0.77 +/- 0.05
Shelf life	12 months
Packaging	14kg BAGS
Coverage – 20kg Bag	It will cover approximately 6-7m <sup>2</sup> using a 10mm notched trowel.
CLASSIFICATION	C2S1ET ADHESIVE
APPLICATION DATA 23°C AT 50% RH:	
Mixing Ratio	5.6 litres of water per 14kg
Open Time	30 minutes @ 20°C
Adjustment Time	40 minutes @ 20°C
Pot Life	2 hours @ 20°C
Ready for Grouting	16 hours @ 20°C
Light Foot traffic	24 hours
Ready for wet area service	3-4 days

## HANDY TIPS

- Do not apply RLA LITE in temperatures above 35°C and below 5°C.
- RLA LITE cannot be used directly over the tongue and grooved timber flooring, particleboard, medium-density fibreboard, or Masonite.
- RLA LITE must not be used directly over solvent-based polyurethane waterproofing membranes.
- RLA LITE cannot be used for fixing tiles in pools.
- RLA LITE can only be used over high-quality water-based waterproofing membranes that have been certified by RLA Polymers
- Special fixing techniques are required when externally tiling at heights exceeding 2.7 metres.

For applications/situations not mentioned in these instructions, please get in touch with your nearest RLA office.

## SAFETY & HANDLING:

- Do not breathe dust; wear suitable respiratory protection.
- Use in well-ventilated areas.
- Avoid contact with skin and eyes.
- Wear eye protection and suitable gloves and clothing.
- Do not eat, drink, or smoke while using this product.
- Take off contaminated clothing and wash it before reuse.

**The Safety Data Sheet is available upon request.**

## FIRST AID:

- If poisoning occurs, contact a doctor or the Poisons Information Centre.
- If swallowed, DO NOT induce vomiting; give a glass of water and immediately call the Poisons Information Centre and a doctor.
- For advice or if you feel unwell, contact a Poisons Information Centre: Australia ph. 131126, New Zealand ph. 0800 764 766 or a doctor at once.
- If on SKIN, remove all contaminated clothing immediately and wash the skin with soap and water.
- If in EYES, rinse carefully with water for several minutes. Remove contact lenses; if present, then continue rinsing.
- If eye irritation persists, get medical advice/attention.
- If inhaled, remove them to fresh air, and keep them at rest in a position comfortable for breathing.

## **WARRANTY STATEMENT:**

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specifications.

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 per the 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](mailto:info@rlapolymers.com.au)

**MAIL:** 215 Colchester Road Kilsyth Victoria 3137 (Attention Customer Service)

**WEBSITE:** [www.rlapolymers.com.au](http://www.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.