

RLA STONESET

Moisture Sensitive Stone Adhesive C2S1FTE



DESCRIPTION:

RLA STONE SET is a premium grade rapid setting, polymer modified, white cement-based tile adhesive. Ideal for use in situations where the adhesive must dry quickly or when grouting must be completed shortly after the installation of the tiles.

FEATURES AND BENEFITS:

- RLA STONE SET is suitable for use over 24-hour green sand/cement screed.
- RLA STONE SET can be used Internally or Externally on Wall and Floor surfaces.
- RLA STONE SET is suitable for tiling when residual moisture can cause water staining, discolouration, and efflorescence in some natural stone tiles Class (A).
- RLA STONE SET is suitable for domestic and commercial applications
- RLA STONE SET is non-slump and is ideal for large format tiles.
- RLA STONE SET is designed for bonding porcelain, ceramic, and stone, e.g., natural stones*, terrazzo and mosaic tiles.
- RLA STONE SET can be applied onto various substrates like concrete, render, rendered brickwork, blockwork, Gyprock, and fibre cement surfaces.
- RLA STONE SET can be used to fix high and low-porosity tiles.
- RLA STONE SET can be used for fixing tiles over most waterproofing membranes. However, it is advisable to contact the manufacturer before commencing.
- RLA STONE SET is suitable for immersed situations like swimming pools, spas etc.
- RLA STONE SET can be used to fix low to medium-dimensionally-sensitive * stones classified as Class A
- RLA STONE SET can be used in swimming pools.

PRECAUTIONS:

- Not suitable for some moisture-sensitive stones like green marble or some limestone that is classified as Classes B or C that are considered moisture sensitive and dimensionally unstable.
- As Natural stone can vary between batches and suppliers, RLA recommends checking with the Stone supplier before using the correct adhesive type and trying a small area to check the moisture sensitivity of the Stone.

SURFACE PREPARATION:

- Ensure all concrete slabs are allowed to cure for at least 7 DAYS and have a wood float finish.
- All rendered surfaces must be allowed to cure for at least 24 HOURS before commencing tiling.
- 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 abraded before commencing tiling.
- Fibre Cement sheet must be a minimum of 6mm in thickness when used as an underlay material on walls.
- 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.
- 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.

SURFACE PREPARATION:

CONTINUED:

- It is recommended that all surfaces be primed with [RLA Uniprime](#), or [RLA Universal Primer](#), particularly 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 RLA UNIPRIME or RLA UNIVERSAL PRIMER that has not dried should be removed with a rag before tiling.

Allow the primer to dry for approximately 30 - 40 minutes at 23°C before commencing tiling.

MIXING RATIO:

The mixing ratio of RLA STONE SET is 20kg of powder to 5 litres of water. Pour 5 litres of clean water into a drum and then gradually add the RLA STONE SET while mixing continuously until a smooth, lump-free mix is obtained. Always add the powder to the liquid.

Allow the mix to stand for 5 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.

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.

APPLICATION:

CONTINUED:

RLA STONE SET 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 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 2 hours at 23°C.

Protect tiling from rain and inclement weather until 24 hours after grouting is complete.

GROUTING APPLICATION:

Pre-test absorbent materials and stone to determine that the selected grout will not adversely affect the tile before grouting the job.

Pre-seal, dip seal, six-side seal where appropriate and re-test with both adhesive and grout before commencing the job where necessary

Grouting application can commence after curing for 2 hours at 23°C.

Grouting can be done using RLA's Grouts.

Follow RLA application instructions.

Wait to allow foot traffic on tiling until 4 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 ³)	1.11 +/- 0.05
Shelf life	12 months
Packaging	20kg BAGS
Coverage – 20kg Bag	It will cover approximately 5-6m ² using a 10mm notched trowel.
CLASSIFICATION	C2S1FTE ADHESIVE
APPLICATION DATA 23°C AT 50% RH:	
Mixing Ratio	5 litres of water per 20kg
Open Time	30 minutes @ 23°C
Adjustment Time	40 minutes @ 23°C
Pot Life	1 hour @ 23°C
Ready for Grouting	2 hours @ 23°C
Light Foot traffic	4-6 hours
Ready for wet area service	3-4 days

TILING APPLICATION PERFORMANCE	
VOC INDOOR AIR QUALITY (IAQ) - VOLATILE ORGANIC COMPOUND EMISSIONS	
STANDARD CHARACTERISTICS	ISO13007-1
Tensile adhesion strength:	
Initial after 28 days	>2.0 N/ mm ²
Adhesion after contact with water	>1.0 N/ mm ²
Adhesion after heat ageing	>2.0 N/ mm ²
Adhesion after freeze-thaw cycles	>1.0 N/ mm ²
Adhesion after 6 hrs	>0.50 N/ mm ²
Deformable adhesive	S1 -deformable
Slip resistance	≤ 0.5 mm

HANDY TIPS

- Do not apply RLA STONE SET in temperatures above 35°C and below 5°C.
- RLA STONE SET cannot be used for fixing tiles directly onto timber floors.
- Not suitable for very heavy stones.
- Internal framed floors with spans of more than 5m, and fanned external decks require special consideration. Contact RLA's Technical Department for detailed advice.
- RLA STONE SET, cement-based, is alkaline and may cause dermatitis. It is recommended that applicators wear PVC gloves or similar and safety goggles.

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 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.

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

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

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

WEBSITE: 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.