ROBERTS

RAPID REPAIR

Slump Free, Rapid Drying Repair Mortar





DESCRIPTION:

ROBERTS RAPID REPAIR is rapid drying, slump free and Respirable Silica Compliant mortar. Designed for repairing, levelling and patching of concrete substrates, forming ramps, levelling and profiling of steps and landings, **ROBERTS RAPID REPAIR** is ideal for applications where very rapid hardening and drying are required. Suitable for internal substrates, the mortar quickly develops to a smooth finish and a hardness with high levels of mechanical performance, ensuring the prompt installation of subsequent floor coverings.

ROBERTS RAPID REPAIR is suitable for applications from 2 to 40 mm in thickness. It accepts most floor coverings after approximately 2 hours making it the ideal repair solution for projects under tight deadlines.

FEATURES & BENEFITS:

- Rapid drying - accepts foot traffic in 1-2 hours
- Large areas can be reinstated in relatively short periods.
- Eliminates the need for sand/cement screeds
- Can be applied from 2mm – 40mm in a single application
- Dimensionally stable
- Floor coverings can be applied 2 hours after application.
- Economical reinstatement of uneven concrete floors
- Respirable Silica Free Compliant*

**Silica (Respirable Crystaline Fraction) levels are below the concentration limit for carcinogens (0.1%) as per schedule 6 of the Model Work Health Safety Regulations 2023.*

RECOMMENDED USE:

- Residential and commercial internal concrete substrates
- New construction and refurbishment projects
- Underlayment for floor coverings such as carpet, ceramic tiles, vinyl, parquetry etc.
- Fast repairs of uneven concrete floors
- Building up ramp areas before the application of floor coverings
- Patching defective concrete substrates
- **INTERNAL USE ONLY**

CLASSIFICATION ACCORDING TO EN 13813:

The material properties of Roberts Rapid Repair are classified as *CT-C35-F9*

SUBSTRATES:

- Concrete
- Masonry
- Concrete Blocks

SURFACE PREPARATION:

- Concrete substrates must be at least 14 days old.
- Substrates must be dry, sound, clean, and compliant to relevant National, State, and Local Building codes and applicable Australian Standards
- Substrates must be free from loose material, dirt, dust, wax, grease, oil, polishes, old adhesive, curing compounds, existing coatings, high levels of moisture, and any other contaminating materials that may affect adhesion of the overlaid repair system
- Structurally unsound layers and surface contaminants must be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.
- Thoroughly vacuum any loose material and dust
- For resilient installations, relative humidity and pH readings must be carried out on the concrete substrate as per Australian Standard 1884-2021
- If required, use **RLA MOISTURE SEAL**
- The minimum subfloor temperature before commencing installation should be 10°C
- For temperatures less than 5°C or higher than 35°C, contact the RLA Technical department

PRIMING:

POROUS SUBSTRATES:

Generally not required. Where it is to be installed over particularly porous substrates or high stress areas, it is recommended to prime surfaces using **RLA UNIVERSAL PRIMER**. Mix one (1) part Universal Primer with two (2) parts of clean water. Apply evenly using a roller or brush ensuring the entire area is covered and allowed to cure.

NON-POROUS SUBSTRATES:

Apply an even layer of Universal Primer neat (undiluted) using a roller or brush, ensuring the entire area is covered and allowed to cure

To determine whether a substrate is **POROUS** or **NON-POROUS**, pour water from a bottle or a dropper forming a puddle onto the substrate surface, the size of a 10-cent coin. If the water absorbs into the substrate in less than two (2) minutes, the substrate is **POROUS**. If the puddle remains, the substrate is **NON-POROUS**.

For extremely non-porous substrates, it is recommended that a light grind or sand be conducted to enhance adhesion.

MIXING:

Mix one 20kg bag of Roberts Rapid Repair with 4.2-4.4litres of clean water

- Mix with a forced action, high shear stirrer, powered by a heavy-duty electric mixing drill at approx. 600 rpm.
- Add 4.2-4.4litres of clean water to a clean mixing pail
- Gradually add Roberts Rapid Repair into the water while mixing the pails contents
- When the entire contents of the bag have been added to the water, mix for a further three (3) minutes to produce a smooth homogenous consistency

DO NOT MIX BY HAND & DO NOT ADD EXCESS WATER

APPLICATION:

- Apply the mixed Roberts Rapid Repair to the prepared and primed substrate and use a trowel and spreader to give the required finish
- The maximum thickness applied in any application should be limited to 40mm. Consult RLA technical staff for thicknesses greater than 40mm
- The minimum thickness application is 2mm
- The mixed quantity must be used within 15 minutes at a temperature of 23°C

SETTING TIMES:

- 1 hour

Note: Setting times based on normal ambient temperatures of 23°C and 50% RH. Setting times may vary depending on temperature and humidity

COVERAGE:

- 4m² per 20kg bag @ 3mm thick

CLEAN UP:

Clean all equipment with water immediately after use. Cured TruLevel Rapid Patch can only be removed by mechanical means

SHELF LIFE / STORAGE:

- 12 months stored in original unopened packaging
- Best stored in a dry area at room temperature
- Keep off cold floors and out of direct sunlight

PACKAGING:

20kg bags

HEALTH & SAFETY:

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

NOTES & PRECAUTIONS:

- Roberts Rapid Repair is to be used as an underlay only and not designed as a wearing course.
- Do not add excess water.
- New concrete must be minimum of 14 days old.
- If the moisture content of the slab is greater than 80% RH, apply RLA Moisture Seal before application of Rapid Repair
- Do not allow Rapid Repair to come in contact with water before the curing process.
- If the substrate over which Rapid Repair is applied moves or cracks, reflective cracking will occur
- Do not apply Rapid Repair over expansion or construction joints, as cracking may occur.
- Do not apply Rapid Repair in direct sunlight or drying winds as pre-mature dry will occur, and possible cracking may occur.
- Patch feather edging should be avoided
- Allow a minimum of 1 day at 20˚C for a cure before subjecting to heavy traffic.
- Do not apply point loading on any floor area, as cracking may occur. This will be predominantly in sections less than 5mm thick.
- Do not apply on substrates with rising dampness.
- Not suitable for particle board floors.

INTERNAL USE ONLY

PRODUCT INFORMATION:	
Colour	Grey
Bulk Density (kg/dm$^{3)}$	1.1
Wet Density (kg/dm$^{3)}$	1.87
Shelf life	12 months
Packaging	20kg
Coverage – 20kg Bag	Approximately 4m^2 at 3mm
APPLICATION DATA 23°C AT 50% RH:	
Mixing Ratio	4.2-4.4litres of water
Open Time	10-15 minutes
Setting Time	1 hour
Temperature Range	From +5°C to +35°C
Maximum Thickness	40mm
Foot traffic	1 hour
Waiting time before subsequent bonding	2 hours
pH of Mix	Approximately pH 12
PERFORMANCE DATA:	
FLEXURAL STRENGTH N/mm2 EN 13892-2	
1 day	> 4
3 days	> 5
7 days	> 8
28 days	> 9
COMPRESSIVE STRENGTH N/mm2 EN 13892-2	
1 day	> 20
3 days	> 25
7 days	> 30
28 days	> 35
ABRASION RESISTANCE G-EN 12808-2	
28 days	≤ 150
SURFACE HARDNESS N/mm2 EN 13892-6	
28 days	> 50

COMPATIBILITY:

Roberts Rapid Repair is compatible with the Roberts range of primers, carpet, resilient, and timber adhesives.

WARRANTY STATEMENT:

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.
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 in accordance with 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.

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