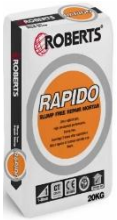
ROBERTS

# RAPIDO

## Slump Free Repair Mortar


## DESCRIPTION:

**ROBERTS RAPIDO** is rapid drying, slump-free, Respirable Silica Compliant repair mortar for internal substrates.
ROBERTS RAPIDO is used for repairing, levelling, and patching concrete substrates, forming ramps, and repairing or levelling steps, landings, and edges of pillars where very rapid hardening and drying are required.
The mortar rapidly develops and hardens to a smooth finish and hardness with high mechanical performance levels, ensuring the subsequent installation of floor coverings.
It is ready to accept most floor coverings after approximately 2 hours and allows for quick and reliable installation 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.
- RCS Compliant* (Respirable Crystalline Silica)

**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:

- Can be used in residential and commercial internal concrete substrates.
- Underlayment for floor coverings such as carpet, ceramic tiles, vinyl, parquetry etc.
- Fast repairs of uneven concrete floors.
- Application thicknesses up to 40mm in a single application.
- New construction and refurbishment projects. Building up ramp areas before the application of floor coverings.
- Patching defective concrete substrates.
- **INTERNAL USE ONLY**

## SUBSTRATES:

Substrates suitable for application of RLA Roberts Rapido Include:

- 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 of wax, grease, oil, polishes, old adhesive, curing compounds, high levels of moisture, and any other surface contaminants that may affect adhesion.
If mechanical preparation is required, prepare the floor using recommended methods such as shot blasting and diamond grinding to provide a roughened, clean, sound, and open porous surface.
Thoroughly vacuum loose material and dust.
The minimum subfloor temperature before commencing installation should be 10ºC
Do not use solvents or acid etching to clean the subfloor.
For resilient installations, relative humidity and pH readings must be carried out on the concrete substrate by Australian Standard 1884-2021.
If required, use **RLA MOISTURE SEAL.**
If temperatures are less than 5°C or higher than 35ºC, please contact the RLA Technical department for further details.

## 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 **ROBERTS R48 UNIVERSAL PRIMER**. Mix one (1) part Universal Primer with two (2) parts of clean water. Apply an even film using a roller or brush, ensuring the entire area is covered and allowed to cure.

## NON-POROUS SUBSTRATES:

Substrates such as ceramic tiles have no coatings or sealing compounds on the surface before applying primer. Coatings, curing, and sealing compounds must be mechanically removed from concrete substrates.
Apply an even layer of ROBERTS R48 UNIVERSAL PRIMER neat (undiluted to non-porous substrates).
Allow the primer to dry (approx. 2 hours @ 23°C).
Once Primer is a tack-free transparent film, products can be applied over the primer

**Examples of Non-Porous Substrates:**

Burnished Concrete, Ceramic Tiles, Liquid Waterproofing membranes,

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

Determining 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 *ONE (1) minute*, the substrate is ***POROUS***. If the puddle remains, the substrate is ***NON-POROUS***.
***ATSM F3191-16 Standard Practice for Field Determination of Substrate Water Absorption (Porosity) for Substrates***

## MIXING RATIO:

Mix one 20kg bag with 4.2-4.4llitres of clean water.
Mixed with a forced action, high shear stirrer, powered by a heavy-duty electric mixing drill at approx. 600 rpm.
Add pre-measured water to a clean mixing bucket. Gradually add Roberts Rapido into the water while mixing the bucket's 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 RAPIDO to the prepared and primed substrate using a trowel and spreader to give the required finished thickness.
The maximum thickness applied in any application should be limited to 40mm.
Consult RLA technical staff for thicknesses more significant than 40mm.
The minimum thickness application is 2mm.

## COVERAGE:

2.4m² per 20kg bag @ 5mm thickness

## SETTING TIMES:

1 hour

## CLEAN UP:

Clean tools immediately after use with water.

## PACKAGING:

20kg bags

## SHELF LIFE / STORAGE:

12 months when stored in original unopened packaging shall be stored in a dry area off the ground

## 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 RAPIDO is 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 ROBERTS RAPIDO.
- Do not allow ROBERTS RAPIDO to come in contact with water before the curing process.
- If the substrate over which ROBERTS RAPIDO is applied moves or cracks, reflective cracking will occur
- Do not apply ROBERTS RAPIDO over expansion or construction joints, as cracking may occur.
- Do not apply ROBERTS RAPIDO 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 predominant in sections less than 5mm thick.
- Do not apply on substrates with rising dampness.
- **Not Suitable for particle board floors**

| PRODUCT INFORMATION: | |
|---|---|
| **Colour** | Grey |
| **Bulk Density (kg/dm$^{3)}$** | 1.1 |
| **Wet Density (kg/dm$^{3)}$** | 1.87 |
| **Shelf life** | 12 months |
| **Packaging** | 20kg |
| **VOC – GEV Emicode** | EC1 Plus |
| **Coverage – 20kg Bag** | 2.4m$^2$ @ 5mm thickness |
| **APPLICATION DATA 23°C AT 50% RH:** | |
| **Mixing Ratio** | 4.2-4.4 litres 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 |
| **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 RAPIDO is compatible with the ROBERTS range of moisture seals, primers, carpet, resilient, and timber adhesives.

## CLASSIFICATION ACCORDING TO EN 13813:

The material properties of ROBERTS RAPIDO are classified as *CT-C35-F9*

## 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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