

# RAPIDO

## Slump-Free Repair Mortar



### **DESCRIPTION:**

ROBERTS RAPIDO is rapid drying, slump-free 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 AND 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.

### **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**

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ISO 9001  
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ROBERTS RAPIDO

RLA Polymers Pty Ltd ACN 004 709 915

215 Colchester Road, Kilsyth, Victoria, 3137 info@rlapolymers.com.au

T. 1800 242 931

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### **SUBSTRATES:**

Substrates suitable for application of RLA Roberts Rapido  
Include:

- Concrete
- Masonry
- Concrete Blocks

### **SURFACE PREPARATION:**

The minimum subfloor temperature before commencing installation should be 10°C.

Concrete substrates must be at least 14 days old.

Surfaces must be prepared thoroughly before commencing application.

All substrates must be structurally sound, smooth, stable, dry, and clean.

Rough surfaces and voids should be evened or filled first, and all brick/block surfaces should be pointed flush.

All general surface defects are to be repaired.

Building surfaces must be constructed to the manufacturer's recommendations and relevant building standards in force at the time of membrane application.

All surfaces must be free of sharp protruding objects, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss grime, oils, animal fats, or grease remains.

Structurally unsound layers and surface contaminants must be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.

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 5oC or higher than 35oC, don't hesitate to contact the RLA Technical department for further details.

### **COVERAGE:**

20 kg Bag of RLA Roberts Rapido mixed with 4.8-5.0 litres of water will cover approximately 2.4m<sup>2</sup> @ 5mm thickness.

### **PRIMING:**

Prime substrates with [ROBERTS R48 UNIVERSAL PRIMER](#)

### **POROUS SUBSTRATES:**

Mix one (1) part [ROBERTS R48 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.

Highly absorbent or porous surfaces may require a second coat of [ROBERTS R48 UNIVERSAL PRIMER](#) to avoid pinholes.

### **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 4.8-5.0 litres 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.

### **SETTING TIMES:**

35minutes-55minutes

### **CLEAN UP:**

Clean tools immediately after use with water.

### **SHELF LIFE / STORAGE:**

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

### **NOTES & PRECAUTIONS:**

- ROBERTS RAPIDO is used as an underlay only and not designed as a wearing coarse.
- 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.**



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**TECHNICAL DATA:**

PRODUCT INFORMATION:	
Colour	Grey
Bulk Density (kg/dm <sup>3</sup> )	1.1
Wet Density (kg/dm <sup>3</sup> )	1.87
Shelf life	12 months
Packaging	20kg
VOC – GEV Emission	EC1 Plus
Coverage – 20kg Bag	It will cover approximately 4m <sup>2</sup> at 3mm.
APPLICATION DATA 23°C AT 50% RH:	
Mixing Ratio	4.8-5.0 litres of water
Open Time	10-15 minutes
Setting Time	1 hour
Temperature Range	+5°C to +35°C
Maximum Thickness	40mm
Foot traffic	1 hour
pH of Mix	Approximately pH 12
PERFORMANCE DATA:	
FLEXURAL STRENGTH N/mm <sup>2</sup> EN 13892-2	
1 day	> 4
3 days	> 5
7 days	> 8
28 days	> 9
COMPRESSIVE STRENGTH N/mm <sup>2</sup> 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/mm <sup>2</sup> EN 13892-6	
28 days	> 50

**COMPATIBILITY:**

ROBERTS RAPIDO is compatible with the ROBERTS range of moisture seals, primers, ROBERTS range of carpet, resilient, and timber adhesives.

**CLASSIFICATION ACCORDING TO EN 13813:**

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

**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.
- If on the skin, wash with plenty of soap and water.
- If in the eyes: rinse cautiously with water for several minutes.
- Remove contact lenses; if present, continue rinsing.
- If inhaled, remove them to fresh air and keep them at rest in a position comfortable for breathing.
- If any skin or eye irritation persists or you feel unwell, get medical attention.
- **Safety Data Sheet is available upon request.**

**FIRST AID:**

If poisoning occurs, contact a doctor or Poisons Information Centre.  
 Skin: Wash off with warm water and soap.  
 If swallowed, DO NOT induce vomiting. Give a glass of water.  
 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 swallowed, do NOT induce vomiting.  
 IF SWALLOWED, immediately call the Poisons Information Centre or a doctor.  
 IF ON SKIN Remove immediately all contaminated clothing and wash skin with soap and water.  
 If skin irritation occurs, get medical advice/attention.  
 IF IN EYES Rinse carefully with water for several minutes.  
 If eye irritation persists, get medical advice/attention.



### **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 Standard and the Floorcovering Manufacturer's instructions and the floorcoverings must be subject to normal traffic conditions.

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.



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