

TRULEVEL RAPID PATCH

Slump Free, Rapid Setting Repair Mortar



DESCRIPTION:

TRULEVEL RAPID PATCH is rapid drying, slump free, Respirable Silica Compliant repair mortar designed for repairing, levelling, and patching concrete substrates, forming ramps, repair or levelling of steps, landings and edges of pillars where very rapid hardening and drying are required. Suitable for internal substrates, the mortar rapidly develops to a smooth finish and a hardness with high levels of mechanical performance, 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 time
- Eliminates 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
- Can be used in conjunction with TruLevel EconoPro and TruLevel Tuff Top to achieve a very smooth flat floor, ready to accept vinyl and timber
- RCS Compliant* (Respirable Crystalline Silica)

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

SUBSTRATES:

Substrates suitable for application of RLA TruLevel Rapid Patch Include:

- Concrete
- Masonry
- Concrete Blocks

USES

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

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 10°C

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](#).

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 an even film 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 TruLevel Rapid Patch 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 TruLevel Rapid Patch 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 TruLevel Rapid Patch 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

SETTING TIMES:

- 1 hour

COVERAGE:

A 20kg Bag of RLA TruLevel Rapid Patch will cover approximately 4m² @ 3mm thickness

CLEAN UP:

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

PACKAGING

- 20kg bags

SHELF LIFE/STORAGE :

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

LIMITATIONS:

- TruLevel Rapid Patch 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 TruLevel Rapid Patch
- Do not allow TruLevel Rapid Patch to come in contact with water before the curing process.
- If the substrate over which TruLevel Rapid Patch is applied moves or cracks, reflective cracking will occur
- Do not apply TruLevel Rapid Patch over expansion or construction joints, as cracking may occur.
- Do not apply TruLevel Rapid Patch 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.

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

TECHNICAL DATA:

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 Ecode	EC1 Plus
Coverage – 20kg Bag	Approximately 4m ² at 3mm
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	+5°C to +35°C
Maximum Thickness	40mm
Foot traffic	1 hour
pH of Mix	Approximately pH 12
PERFORMANCE DATA:	
FLEXURAL STRENGTH N/mm ² EN 13892-2	
1 day	> 4
3 days	> 5
7 days	> 8
28 days	> 9
COMPRESSIVE STRENGTH N/MM ² 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 ² EN 13892-6	
28 days	> 50

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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RLA Polymers Pty Ltd ACN 004 709 915

Head Office
215 Colchester Road
Kilsyth, Victoria, 3137
Tel: 1800 242 931

New South Wales
5A 246 Miller Road
Villawood, NSW, 2163

Queensland
57 Fulcrum Street
Richlands, QLD, 4077

South Australia
Unit 2/7 Berger Road
Wingfield, SA, 5013

Western Australia
24 Hanwell Way
Bassendean, W.A., 6054
Tel: 08 9279 8911

For the latest product information please visit rlapolymers.com.au