

R40 Rapid Patch

Description

Roberts Rapid Patch 40 is a fast setting cementitious mortar specifically formulated for quick and reliable repair of internal damaged concrete floors, patching stairs, risers and forming ramps.

Surface Preparation

Subfloors must be dry, sound, smooth and clean in accordance with the relevant Floorcoverings Australian Standards.

Subfloors must be dry, solid, sound clean and free of wax, grease, oil, polishes, old adhesive, curing compounds and any other surface contaminants that may affect adhesion. If mechanical preparation is required prepare the floor using recommended preparation methods such as shot blasting, scarifying, diamond grinding, to provide a roughened, clean, sound, solid and open porous surface.

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

Do not use solvents, or acid etching to clean the subfloor.

Concrete floors must be dry sound, smooth and clean, in accordance with relevant Floorcoverings Australian Standards. For subfloors that display high moisture levels it is recommended an RLA Moisture Barrier be applied.

Where temperatures are less than 5°C or greater than 35°C are encountered, contact our technical staff for advice.

Priming

For absorbent concrete substrates priming is generally not required for R40.

However where it is to be installed over highly porous or absorbent substrates or in high stress areas it is recommended to prime using Roberts Universal primer.

For Non – Porous substrates it is recommended to prime.

Porous Substrates:

Absorbent concrete surfaces, Mix 1 Part Roberts Universal Primer with 3 Parts clean water.

Apply using a roller, brush or broom, ensuring entire area is completely primed and allow to cure.

Non- Porous Substrates:

For use over non- porous substrates such as ceramic tiles, painted surfaces (water based only) and sealed or burnished concrete floors. Apply an even layer of Roberts Universal Primer neat (undiluted to non porous substrates). Allow primer to dry to a clear film (approx. 2 hours @ 25°C). Once Primer is a tack free clear film, only then can Roberts levelling compounds be applied over the primer.

Please ensure substrates such as ceramic tiles, sealed or burnished floors have no coatings or curing compounds residing on the surface before the application of primer.

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

Storage:

To be stored in a dry area off the ground and out of direct sunlight.

It has a shelf life for 12 months

Clean Up

Clean tools immediately after use with water

The application, use and processing of our products is the responsibility of the user. Any technical or other advice, information or data provided by us, whether verbally, in writing or by way of trials or tests, is given without guarantee or warranty. Refer to Material Safety Data Sheets for information on Storage & Handling, Health and Safety, and Transport.

RLA POLYMERS PTY LTD

ACN 004 709 915

215 Colchester Road, Kilsyth, Victoria 3137 Australia

P.O. Box 147, Kilsyth, Victoria 3137 Australia

Telephone: (03) 9728 1644 • Facs/mile: (03) 9728 6009

E-mail: info@rlapolymers.com.au • Web: www.rlagroup.com.au



Mixing Ratio:

R40 should be mixed with using a drill and suitable mixing paddle.
 Mix one bag with 4.5 - 5 litres of clean water. Slowly add ½ the bag of powder to the water while mixing thoroughly, then add remainder of bag to mix.
 Smaller amounts can be mixed by volume 3 parts powder to 1 part water
 It's essential to ensure the powder and water are evenly mixed for 3 minutes and the water is dispersed to obtain a lump free mix.

Note: Do not over water as this will promote bleed and separation with a reduction in bond and tensile strength.

Application:

Apply the mixed compound to the primed substrate using a trowel to give the required finished thickness. Do not rework after 10 minutes.
 If required after 15 minutes the material maybe finished with a wet trowel or sponge to obtain a smooth and suitable surface for the application of floorcoverings or levelling compound when necessary.
 R40 can be walked on in 60 minutes after application.
 Floorcoverings can generally take place 1 ½ – 2 hours after application.

Initial Set time:

15 minutes @ 20°C

Thickness:

Maximum 100mm in one application, however at thickness greater than 50 mm a clean 4-6mm washed and dried aggregate maybe added to promote economy.

Coverage: 20kg bag will approximately cover

Thickness	Area per m2
5mm	Approximately 2.4 m2
10mm	Approximately 1.2 m2
20mm	Approximately 0.6 m2
40mm	Approximatley 0.3 m2

Compressive Strength

Age (Days)	Compressive Strength MPa
1	25.5
7	29.0
28	31.0

Notes and Precautions:

- Drying times can be extended when compound is applied in cold ambient temperatures. Thicker layers will also extend drying times.
- Don't not allow to come into contact with water before and after the curing process
- Not recommended for immersed situations such as pools, ponds etc.
- Don't not apply in direct sunlight.
- For internal use only
- Do not apply over expansion joints as reflective cracking may occur

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adhesives hot melts tapes
levelling powders primers





PRODUCT DATA

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 before reuse.

If on skin wash with plenty of soap and water.

If in eyes: rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If Inhaled remove victim to fresh air and keep 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.

Warranty Statement

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

We certify that when fully cured this product is suitable for use and will perform as described in our technical data sheet or other published materials.

RLA Polymers will replace product free of charge when purchased from any legally verifiable source, and where product is proven to have been stored, handled and installed 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 the relevant Australian Standard and the Floorcovering Manufacturers instructions and the floorcoverings must have been 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

Mail: 215 Colchester Road Kilsyth Victoria 3137 (attn Customer Services)

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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