

TruLevel RapidPatch

Slump free rapid setting repair mortar



TruLevel Rapid Patch is rapid drying, slump free repair mortar for internal substrates. TruLevel Rapid Patch is used for repairing, levelling, and patching dry concrete substrates, forming ramps repair 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 levels of mechanical performance, ensuring the subsequent installation of suitable 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 periods
- 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 applied with Tru Level Econo Pro and Trulevel Tuff Top to achieve a very smooth flat floor, ready to accept vinyl and timber

FOR USE ON:

- Rapid repairs of internal concrete subfloors
- Ideal for forming ramps
- Patching defective concrete.

APPLICATION INSTRUCTIONS:

Surface and Substrate Preparation:

All surfaces must be clean and free from grease, oil, paints sealers, curing compounds, dust or any material that will affect the bonding capabilities of the primer/leveling compound. Foreign material such as bitumen, adhesive or coatings such as epoxy must be removed via mechanical means such as scabbing, captive shot blasting or grinding followed by vacuuming to remove dust and dislodged material. All substrates must be primed with RLA universal Primer. Ensure concrete slabs are at least 14 days old prior to application of RLA Universal Primer.

PRIMING

Prime all prepared areas with RLA Universal Primer using a roller, brush, broom or spray application. RLA Universal Primer is to be diluted to 2 parts water, 1 part primer. Apply RLA Universal Primer at a coverage rate of 5-7 square meters per litre. For extremely porous substrates a second coat of primer may be required to eliminate air bubbles, pinholes and adhesive issues that may arise due to insufficient primer. For additional information contact RLA.

CONCRETE SURFACES WITH HIGH MOISTURE CONTENT-

For concrete surfaces that contain a moisture content of greater than 5% moisture or relative humidity greater than 75% or surfaces subject to rising damp or moisture due to hydrostatic pressure, it is recommended that RLA Moisture Seal be used prior to application of Tru Level Rapid Patch. A minimum of two coats of Moisture Seal must be used. Allow the first coat of Moisture Seal to cure before applying the second coat. Refer to Technical Data Sheet for Moisture Seal prior to application.

MIXING

TruLevel Rapid Patch requires **4.8 – 5.0 litres of water per 20kg bag**. Accurately pre-measure the required water and add to the mixing bucket. Slowly add powder to the water whilst continuously mixing. Using an electric mixing drill with a high shear stirrer or a spiral mixing paddle mix the contents for 3-4 minutes ensuring a uniform homogenous consistency is obtained.

DO NOT MIX BY HAND.

DO NOT ADD EXCESS WATER:

WATER LEVEL OF GREATER THAN 4 LITRES PER BAG WILL RESULT IN SEGREGATION AND BLEED AND A POWDERY, SOFT SURFACE.

TruLevel Rapid Patch may be applied using a suitable continuous automatic pump such as a Putznecht or Putzmeister. (Consult RLA for additional information) Only mix the quantity of material that can be used within the working time of the material. Apply the TruLevel Rapid Patch immediately after completion of mixing. Ensure subsequent mixers are ready to allow for continuous uninterrupted pouring onto the entire surface.

DO NOT REWORK OR RETEMPER ANY PARTIALLY SET PRODUCT. DISCARD ANY MATERIAL THAT HAS STIFFENED, HARDENED OR CURED.

APPLICATION

Apply the mixed TruLevel Rapid Patch 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 greater than 40mm. The minimum thickness application is 2mm.

CURING

The application of a curing membrane or water is not necessary. After a 2 hour time period, apply RLA Universal Primer to the surface of the TruLevel Rapid Patch and apply TruLevel Econo Pro or TruLevel Tuff Top onto the primed Rapid Patch.

PRECAUTIONS

- TruLevel Rapid Patch is used as an underlay only and not designed as a wearing coarse.
- Do not add excess water.
- New concrete must be minimum 28 days old.
- If moisture content of slab is greater than 5%, apply RLA Moisture Seal prior to application of TruLevel Rapid Patch.
- Do not allow TruLevel Rapid Patch to come in contact with water before the cure process
- If substrate over which TruLevel 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
- Always use mechanical mixing to mix the Tru Level Rapid Patch feather edging should be avoided.
- Allow a minimum of 1 day at 20°C for cure prior to subjecting to heavy traffic
- Do not apply point loading on any area of the floor as cracking may occur. This will be predominant in sections less than 5mm thick
- Do not allow to come in contact with water during or after the curing process.
- Do not apply on substrates with rising damp.(Moisture Barrier is required)
- Internal use only.
- Not Suitable for particle board or other timber substrates.

CLEAN UP & STORAGE

Wash all tools and equipment with fresh, clean water immediately after use. Tru Level Rapid Patch can only be removed mechanically. Tru Level Rapid Patch has a shelf life of 12 months if stored in the original sealed packaging in dry, low humid environments.

PACKAGING

20kg bags

SAFETY DATA SHEET (SDS) AVAILABLE.

For further information about this product contact technical department of RLA Polymers Pty Ltd or can also be found on the following website: www.lookfloors.co.nz

TYPICAL PROPERTIES

Appearance	Light grey when cured		
Fresh wet density	1870kg/m ³		
Application temp	Min Max	5°C 35°C	
Open time	Min Max	20°C 30°C	15 min 7 min
Setting times	Min Max	20°C 30°C	55 min 35 min
Application thickness	2-40mm in a single application		

COVERAGE / YIELDS

Coverage obtained using 4.8 litres water per 20kg

THICKNESS	Area per m ² per 20kg bag
5mm	2.4
10mm	1.2
20mm	0.6
40mm	0.3

Notes:

It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts. RLA Polymers offers a service for pre-testing adhesion to surfaces for large commercial areas or unusual substrates. For further details contact RLA Polymers . Details contained in product data sheets are general. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to check with RLA Polymers before commencing the application. A written confirmation will then be issued by RLA Polymers

PRODUCT DISCLAIMER

This Product Data Sheet (PDS) summarizes our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. RLA Polymers does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.