

## RLA TruLevel BulkFill UT

High Build self-levelling cementitious flooring underlay



### **DESCRIPTION:**

RLA TRULEVEL BULKFILL UT is a high-build self-levelling compound with excellent flow properties formulated for self-levelling differences from 3 to 70 mm in thickness on new or existing internal concrete substrates.

It develops smooth and even surfaces with high levels of mechanical resistance, ensuring the subsequent installation of floor coverings.

It is ready to accept most floor coverings after approximately 24-36 hours and can be over-coated with TruLevel Levelling compounds for 24 hours for quick and reliable installation.

### **TECHNICAL CHARACTERISTICS:**

RLA TRULEVEL BULKFILL UT is a grey powder with a unique rapid setting and hydrating cement, blended with graded silica sand, resins and special additives.

RLA TRULEVEL BULKFILL UT was developed in Australia at RLA research laboratories.

### **CLASSIFICATION ACCORDING TO EN 13813:**

The material properties of RLA TRULEVEL BULKFILL UT are classified as CT-C30-F6

### **RECOMMENDED USE:**

RLA TRULEVEL BULKFILL UT is suitable for applying carpet, carpet tiles, ceramic tiles, and floating floor finishes. RLA TRULEVEL BULKFILL UT is NOT suitable for direct stick timber flooring application.

RLA TRULEVEL BULKFILL UT is suitable for covering the under-floor heating system; check with the underfloor heating manufacturer's recommendations before proceeding with the installation of RLA TRULEVEL BULKFILL UT.

RLA TRULEVEL BULKFILL UT is pumpable for ease of installation.

### **SURFACE PREPARATION:**

Substrates must be dry, sound, clean, and per the relevant National, State, and Local Building codes, including applicable Australian Standards.

Substrates must also 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 substrates that display high moisture levels, RLA recommends that [RLA MOISTURE SEAL](#) is applied before the installation of

RLA TRULEVEL BULKFILL UT Where temperatures are less than 5°C or higher than 35°C, please contact the RLA Technical department for further details.

### **PRIMING:**

Prime substrates *with* RLA UNIVERSAL PRIMER

### **POROUS SUBSTRATES:**

Mix one (1) part RLA 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 RLA UNIVERSAL PRIMER to avoid pinholes.

## **NON-POROUS SUBSTRATES:**

Substrates such as ceramic tiles that 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 [RLA 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, and Liquid Waterproofing membranes.

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

*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 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 3.6-3.8 litres of clean water.*

Mix RLA TRULEVEL BULKFILL UT levelling compound with a drill and suitable mixing paddle.

Slowly add the powder to the water while mixing at a low speed. It is essential to ensure the powder and water are mixed evenly for approximately three (3) minutes and that the water has dispersed to obtain a lump-free mix. Do not overwater, as this will promote bleeding and separation with a reduction in bond and tensile strength.

## **APPLICATION:**

Apply in one coat from 3mm to 70mm.

Apply the mixed compound to the primed substrate using a gauge rake, stand-up spreader at the required height adjustment, or trowel on a slight incline to obtain the necessary thickness.

Installations can also be pumped using an appropriate mixing pump.

The mixed quantity must be used within 15 minutes at a temperature of 23°C

Due to its self-levelling properties, RLA TRULEVEL BULKFILL UT will quickly develop a smooth finish and even surface.

## **SETTING TIMES:**

When applied will harden after 3–4 hours at 23°C and can be walked on after this time.

The levelling coat will be ready to receive the application of carpets, carpet tiles, floating floors and tiled floor coverings fixed with adhesives after 24 hours at 23°C (time may vary depending on temperature and humidity).

If Vinyl or Rubber flooring is to be installed, we recommend installing a 2-3mm coat of TruLevel EconoPro or TruLevel TuffTop compound. Allow RLA TRULEVEL BULKFILL UT to dry, and apply a coat of Universal Primer (NEAT) before installing the levelling combination.

## **CLEAN UP:**

Clean tools immediately after use with water.

Do not pour mixed RLA TRULEVEL BULKFILL UT down drains, which will cause blockages.

Pour any leftover mix into an empty bag of RLA TRULEVEL BULKFILL UT and discard once the product has set hard.

## **NOTES & PRECAUTIONS:**

- Drying times are extended when applied in cold ambient temperatures.
- Do not allow RLA TRULEVEL BULKFILL UT to come into contact with water during or after the curing process.
- Do not apply to substrates subject to rising dampness.
- **INTERNAL USE ONLY.**
- Do not apply an overcoat until TruLevel Bulkfill UT is completely dry.
- Do not apply over expansion joints, as reflective cracking may occur.

## **COVERAGE:**

2.4m<sup>2</sup> per 20 kg bag at 5mm thick.

## **SHELF LIFE / STORAGE:**

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

## TECHNICAL DATA:

PRODUCT INFORMATION:	
Colour	Grey
Bulk Density (kg/dm <sup>3</sup> )	1.34
Wet Density (kg/dm <sup>3</sup> )	=2.1
Shelf life	12 months
Packaging	20kg
Coverage – 20kg Bag	It will cover approximately 2.4m <sup>2</sup> at 5mm.
APPLICATION DATA 23°C AT 50% RH:	
Mixing Ratio	3.6-3.8 litres of water
Open Time	30-40 minutes
Setting Time	2-3 hours
Temperature Range	From +5°C to +35°C
Maximum Thickness	70mm
Foot traffic	3-4 hours
Waiting time before subsequent bonding	24-36 hours
pH of Mix	Approximately pH 12
PERFORMANCE DATA:	
FLEXURAL STRENGTH N/mm <sup>2</sup> EN 13892-2	
1 day	> 3
3 days	> 4
7 days	> 5
28 days	> 6
COMPRESSIVE STRENGTH N/mm <sup>2</sup> EN 13892-2	
1 day	> 13
3 days	> 21
7 days	> 25
28 days	> 30
ABRASION RESISTANCE G EN 12808-2	
28 days	≤ 150
SURFACE HARDNESS N/mm <sup>2</sup> EN 13892-6	
28 days	> 50

## COMPATIBILITY:

RLA TRULEVEL BULKFILL UT is compatible with the RLA range of moisture seals, primers, carpet, resilient, tile adhesives, and the RLA range of cementitious waterproofing membranes.

## 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.

**The Safety Data Sheet is available upon request.**

## FIRST AID:

- If poisoning occurs, contact a doctor or the Poisons Information Centre.
- If swallowed, DO NOT induce vomiting; give a glass of water and immediately call the Poisons Information Centre and a doctor.
- 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 on SKIN, remove all contaminated clothing immediately and wash the skin with soap and water.
- If in EYES, rinse carefully with water for several minutes. Remove contact lenses; if present, then continue rinsing.
- If eye irritation persists, get medical advice/attention.
- If inhaled, remove them to fresh air, and keep them at rest in a position comfortable for breathing.

## ACCREDITATIONS:

CLASSIFICATION ACCORDING TO EN 13813:

The material properties of RLA TRULEVEL BULKFILL UT is classified as CT-C30-F6



## **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.