# TRULEVEL FLEXI

## Flexible Self-Levelling Compound


## DESCRIPTION:

**TRULEVEL FLEXI** is rapid drying self-levelling compound with excellent flow properties, formulated for levelling differences from 1 to 20 mm in thickness on new or existing internal concrete and timber substrates.
It develops a smooth and even surface with high levels of mechanical resistance for the subsequent installation of floor coverings.

## FEATURES & BENEFITS:

- 1mm to 20mm
- Enhanced flexibility
- Fibre reinforced
- Ideal for installing timber flooring
- Ideal for use over timber substrates
- Simply mix with water

## RECOMMENDED USE:

- Levelling new and existing concrete and timber substrates.
- Preparation of surfaces for subsequent floor finishes including vinyls, carpets, linoleum, floating floors, timber flooring and ceramic tiles.
- Ready to accept most floor coverings after approximately 12 hours.
- Where good resistance to loads is required, also for wheelchair traffic
- Levelling over underfloor heating systems.

## CLASSIFICATION ACCORDING TO EN 13813:

The material properties of TruLevel Flexi are classified as CT-C20-F7 according to EN 13813

## SURFACE PREPARATION:

Subfloors must be dry, sound, clean, and in accordance to the relevant Flooring Coverings Australian/ NZ standards and Local Building codes.
Subfloors 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 10ºC
Do not use solvents or acid etching to clean the subfloor.

### Concrete substrates

Relative humidity and pH readings must be carried out on the concrete substrate in accordance the relevant Floorcovering Australian Standards
For substrates that display high moisture levels, RLA recommends that ***RLA MOISTURE SEAL*** be applied before TruLevel Flexi installation.
If temperatures are less than 5°C or higher than 35°C, please contact the RLA Technical Department for further advice.

### Timber floors

Timber flooring must be solid, sound, clean, free from wax, oil, free from gaps and securely fixed and in accordance with the Timber Flooring Manufactures Instructions and relevant Australian Standards.
Prior to levelling Timber Flooring, please ensure the flooring is solid, firmly fix any loose boards will need to be re-nailed or repaired prior to levelling.

### Important:

Timber flooring may be coated with a resin or waterproof protective layer.
Particle board flooring contains wax coatings or sealers and can affect adhesion to applied finishes. These resins, sealers, wax coatings must be removed by mechanical means prior to applying a primer.

Please ensure substrate is vacuumed prior to applying a primer.
Check the humidity content with a hygrometer or an electric moisture meter to ensure compliance with the Australian Standards before commencing work.
Subfloor cross flow ventilation must be adequate and in accordance with the relevant Australian Standards to prevent the build-up of dampness.

## APPLICATION:

Apply in one coat from 1mm to 20mm.
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 required thickness.
Larger 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 will quickly develop a smooth finish and even surface.

## PRIMING:

Prime substrates with ***RLA UNIVERSAL PRIMER***

## POROUS SUBSTRATES:

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.
Highly absorbent or porous surfaces may require a second coat of Universal Primer to avoid pinholes.
For the preparation of timber floors and Particle Board Flooring apply Universal Primer in **NEAT** format

## 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 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.*

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 4.6-4.8 litres of clean water.**
Mix TruLevel Flexi 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.
**DO NOT MIX BY HAND.**

## SETTING TIMES:

When applied will harden after approximately 3 hours at 23°C and can be walked on after this time.
The levelling coat will be ready to receive application of Vinyls, Carpets and Tile floor coverings fixed with adhesives after 12 hours at 23°C, and Timber Flooring after 24 hours at 23°C (time can vary depending on temperature and humidity).

## CLEAN UP:

Clean tools immediately after use with water.

## COVERAGE:

Approximately
4m² per 20 kg bag at 3mm thick

## SHELF LIFE / STORAGE:

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

## NOTES & PRECAUTIONS:

- Drying times can be extended when applied in cold ambient temperatures.
- Do not allow to come in contact with water during or after the curing process.
- Do not apply on substrates with rising damp.
- Do not apply over expansion joints as reflective cracking may occur
- **INTERNAL USE ONLY.**

## HEALTH AND 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$^{3)}$** | ~1.00 |
| **Wet Density (kg/dm$^{3)}$** | ~1.94 |
| **Shelf life** | 12 months |
| **Packaging** | 20kg |
| **VOC – GEV Emicode** | EC1 Plus |
| **Coverage – 20kg Bag** | Approximately 4m$^2$ at 3mm |
| **APPLICATION DATA 23°C AT 50% RH:** | |
| **Mixing Ratio** | 4.6-4.8 litres of water |
| **Open Time** | 30 minutes |
| **Setting Time** | 3 hours |
| **Temperature Range** | From +5°C to +35°C |
| **Maximum Thickness** | 20mm |
| **Foot traffic** | 2-3 hours |
| **Waiting time before subsequent bonding** | 12 hours – Vinyl, Carpet<br>24 hours – Timber flooring |
| **pH of Mix** | Approximate pH 12 |
| **PERFORMANCE DATA** | |
| **FLEXURAL STRENGTH N/mm2 EN 13892-2** | |
| **1 day** | > 2 |
| **3 days** | > 3 |
| **7 days** | > 5 |
| **28 days** | > 7 |
| **COMPRESSIVE STRENGTH N/mm2 EN 13892-2** | |
| **1 day** | > 8 |
| **3 days** | > 11 |
| **7 days** | > 15 |
| **28 days** | > 20 |
| **ABRASION RESISTANCE G-EN 12808-2** | |
| **28 days** | ≤80 |
| **SURFACE HARDNESS N/mm2 EN 13892-6** | |
| **28 days** | > 45 |

## 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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