TruLevel SL

Universal Levelling Compound

DESCRIPTION:

RLA TRULEVEL SL is a specially formulated floor-levelling compound with excellent flow properties.
It develops smooth surfaces with high levels of mechanical resistance, ensuring the subsequent Installation of floor coverings: carpets, resilient coverings, linoleum, timber flooring, and tiled floor finishes.

RLA TRULEVEL SL is used for levelling differences from 1mm to 30 mm in thickness in a single application on new or existing Internal substrates, preparing them to receive floor coverings where high resistance to loads and traffic is required.

TECHNICAL CHARACTERISTICS:

RLA TRULEVEL SL is a grey powder consisting of a unique rapid setting and hydrating cement, blended with graded silica sand, resins and special additives,

RLA TRULEVEL SL may be applied using an automatic pressure pump.

RLA TRULEVEL SL can be spread in thicknesses up to 30 mm per coat without shrinkage, cracking, or crazing develops very high compressive and flexural strength and resistance to indentation and abrasion.
For thicknesses greater than 30 mm, RLA recommended adding up to 30% of graded aggregate from 2-5 mm.
Flooring installation can begin approximately 12 hours after applying RLA TRULEVEL SL, regardless of thickness.

RECOMMENDED USE:

- Rapid drying accepts foot traffic in 3-4 hours.
- Levelling new and existing concrete substrates, terrazzo, ceramic, natural stone, and magnesite floors.
- Levelling over RLA engineered cementitious screeds-
  TRULEVEL ECONOSCREED RAPID
  TRULEVEL ECONOSCREED
  TRULEVEL BULK FILL UT LEVELLER
- Levelling over underfloor heating systems.
  RLA TRULEVEL SL is pumpable.

COVERAGE:

Approximately:
12m² per 20 kg bag at 1mm thick
4m² per 20 kg bag at 3mm thick

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 10ºC
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 as outlined in the Australian Standard 1884-2021.
For substrates that display high moisture levels, RLA recommends that *RLA MOISTURE SEAL* is applied before the Installation of RLA TRULEVEL SL,
Where temperatures are less than 5ºC or higher than 35ºC, please contact 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:

Ensure 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 on 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.

Determining 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 the RLA TRULEVEL SL 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 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.

APPLICATION:

Apply in one coat from 1mm to 30mm.
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 SL 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 floor coverings fixed with adhesives after 12 hours at 23°C (time may vary depending on temperature and humidity).

CLEAN UP:

Clean tools immediately after use with water.
Do not pour mixed RLA TRULEVEL SL down drains, which will cause blockages.
Pour any leftover mix into an empty bag of
RLA TRULEVEL SL and discard once the product has set hard.

NOTES & PRECAUTIONS:

- New concrete must be a minimum of 14 days old.
- Drying times are extended when applied in cold ambient temperatures.
- Do not allow RLA TRULEVEL SL to come into contact with water during or after the curing process.
- Do not apply to substrates subject to rising dampness.
- Not Suitable for particle board or strip timber flooring.
- Do not apply over expansion joints as reflective cracking may occur.
- Do not apply point loading on any floor area as cracking may occur; this will be predominant in sections less than 5mm thick.
- **INTERNAL USE ONLY.**

SHELF LIFE / STORAGE:

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

TECHNICAL DATA:

PRODUCT INFORMATION:	
Colour	Grey
Bulk Density (kg/dm$^{3)}$	1.0
Wet Density (kg/dm$^{3)}$	2kg/m^3
Shelf life	12 months
Packaging	20kg
VOC – GEV Emicode	EC1 Plus
Coverage – 20kg Bag	It will cover approximately 12m^2 at 1mm.
APPLICATION DATA 23°C AT 50% RH:	
Mixing Ratio	4.6-4.8 litres of water
Open Time	30-40 minutes
Setting Time	2-3 hours
Temperature Range	From +5°C to +30°C
Maximum Thickness	30mm
Foot traffic	3-4 hours
Waiting time before subsequent bonding	12 hours
pH of Mix	Approximately pH 12
PERFORMANCE DATA:	
FLEXURAL STRENGTH N/mm2 EN 13892-2	
1 day	> 3
3 days	> 4
7 days	> 5
28 days	> 6
COMPRESSIVE STRENGTH N/mm2 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/mm2 EN 13892-6	
28 days	> 50

COMPATIBILITY:

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

CLASSIFICATION ACCORDING TO EN 13813:

The material properties of RLA TRULEVEL SL
It is classified as *CT-C30-F6*

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 the skin, wash with plenty of soap and water.
- If in the eyes: rinse cautiously with water for several minutes.
- Remove contact lenses; if present, continue rinsing.
- If inhaled, remove to fresh air, and keep them 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.

FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre.
Skin: Wash off with warm water and soap.
If swallowed, DO NOT induce vomiting. Give a glass of water.
For advice or you feel unwell contact a Poisons Information Centre: Australia ph 131126,
New Zealand ph 0800 764 766 or a doctor at once.
If swallowed, do NOT induce vomiting.
IF SWALLOWED, immediately call the Poisons Information Centre or a doctor.
IF ON SKIN Remove immediately all contaminated clothing and wash skin with soap and water.
If skin irritation occurs, get medical advice/attention.
IF IN EYES Rinse carefully with water for several minutes.
If eye irritation persists, get medical advice/attention.

ACCREDITATIONS:

RESPIRABLE SILICA FREE FORMULA

CT C30-F6 EN 13813 STANDARD

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, the Floorcovering Manufacturer's 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 (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.