

RLA TruLevel TuffTop

High-Performance self-smoothing overlay



DESCRIPTION:

RLA TRULEVEL TUFFTOP is a rapid-drying self-levelling compound with excellent flow properties formulated for levelling differences from 3 to 30 mm in thickness on new or existing internal/external concrete substrates.

It develops smooth and even surfaces with high levels of mechanical resistance suitable for commercial areas and the subsequent installation of floor coverings. It creates smooth and even surfaces with high levels of mechanical resistance, ensuring the next installation of floor coverings.

TECHNICAL CHARACTERISTICS:

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

FEATURES & BENEFITS:

- 3mm to 30mm
- Internal and External use.
- Suitable for commercial and industrial areas

CLASSIFICATION ACCORDING TO EN 13813:

The material properties of RLA TRULEVEL TUFFTOP are classified as CT-C40-F8

COVERAGE:

2.4m² per 20 kg bag at 5mm thick

RECOMMENDED USE:

RLA TRULEVEL TUFFTOP For use in commercial, domestic, and industrial applications.

It can be applied both Internally and Externally.

It can be applied as a wear surface finish for commercial applications, provided coating is applied.

It is ready to accept most floor coverings after approximately 18- 24 hours, allowing for quick and reliable installation and areas subjected to heavy traffic and high point loading after 48 hours.

Installations of Timber floorcoverings can take place 24 hours after application.

Once dry, it is suitable for applying vinyl, timber flooring, carpets, linoleum, and tile floor finishes.

TuffTop is suitable where resistance to loads is required, as well as for wheelchair traffic and underfloor heating systems.

When installing Timber Flooring over a concrete substrate, the levelling coat of TuffTop must be no less than 5 mm.

When installing in areas as a wear surface, the minimum application of TuffTop is no less than 5mm.

In areas subjected to heavy traffic and high-point loading, it is recommended that the minimum application of TuffTop is no less than 15mm.

SURFACE PREPARATION:

Concrete Substrate:

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.

SURFACE PREPARATION:**Concrete Substrate:****CONTINUED:**

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

MIXING RATIO:**Mix one 20kg bag with 3.8-4.0 litres of clean water.**

Mix RLA TRULEVEL TUFFTOP 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. Only mix the quantity of material used within the working time.

Apply the RLA TRULEVEL TUFFTOP immediately after the completion of mixing.

Ensure subsequent mixers are ready to allow continuous uninterrupted pouring onto the entire surface.

DO NOT REWORK OR RETEMPER ANY PARTIALLY SET PRODUCT.**APPLICATION:**

Apply in one coat from 3mm to 30mm.

Consult RLA technical staff for thicknesses greater than 30mm.

Apply the mixed compound to the primed substrate using a gauge rake, stand-up spreader, squeegee, or screed bar 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 5 minutes at a temperature of 23°C

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

Wear surface areas, the minimum application of RLA TRULEVEL TUFFTOP is no less than 3mm.

In areas subjected to heavy traffic and high-point loading, the minimum application of TuffTop is no less than 15mm in thickness.

As a wear surface, a suitable coating system (E.g. epoxy) is to be applied over. Refer [RLA EPILOX](#) and [FLOORTHANE](#) systems for options

SETTING TIMES:

When applied will harden after approximately 3-4 hours at 23°C and can be walked on after this time. The levelling coat of RLA TRULEVEL TUFFTOP will be ready to receive an application of types of Vinyl, Carpets and Tile floor coverings fixed with adhesives after 18 hours at 23°C (In this application, the RLA TRULEVEL TUFFTOP can be applied at a minimum thickness of 3mm).

(Setting time can vary depending on temperature and humidity).

Wear surface finishes – Coatings (Epoxy, Acrylic) can be applied after 48 hours at 23°C after application.

Commercial / Industrial applications and areas subjected to heavy traffic, high point loading after 72 hours at 23°C after application.

For floor coatings (such as epoxy/acrylic or urethane), the RLA TRULEVEL TUFFTOP must be applied at a minimum of 5mm.

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 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, 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.

CLEAN UP:

Clean tools immediately after use with water.

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

Pour any leftover mix into an empty bag of RLA TRULEVEL TUFFTOP 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 TUFFTOP to come into contact with water during or after the curing process.
- Do not apply to substrates subject to rising dampness.
- Do not apply an overcoat until RLA TRULEVEL TUFFTOP is completely dry.
- Do not apply over expansion joints, as reflective cracking may occur.
- Not to be used as an exposed wear surface
- As a wear surface, a suitable coating system (E.g. epoxy) is to be applied over. Refer [RLA EPILOX](#) and [FLOORTHANE](#) systems for options

COMPATIBILITY:

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

SHELF LIFE / STORAGE:

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

TECHNICAL DATA:

PRODUCT INFORMATION:	
Colour	Grey
Bulk Density (kg/dm ³)	1.2
Wet Density (kg/dm ³)	2.0
Shelf life	12 months
Packaging	20kg
Coverage – 20kg Bag	It will cover approximately 2.4m ² at 5mm.
APPLICATION DATA 23°C AT 50% RH:	
Mixing Ratio	3.8-4.0 litres of water
Open Time	30minutes
Setting Time	3 hours
Temperature Range	From +5°C to +35°C
Maximum Thickness	30mm
Foot traffic	3-4 hours
Waiting time before subsequent bonding	18-72 hours
pH of Mix	Approximately pH 12
PERFORMANCE DATA:	
FLEXURAL STRENGTH N/MM2 EN 13892-2	
1 day	> 3
3 days	> 5
7 days	> 6
28 days	> 8
COMPRESSIVE STRENGTH N/MM2 EN 13892-2	
1 day	> 13
3 days	> 15
7 days	> 35
28 days	> 40
ABRASION RESISTANCE G-EN 12808-2	
28 days	≤ 150
SURFACE HARDNESS N/MM2 EN 13892-6	
28 days	> 50

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:



RLA Polymers Pty Ltd ACN 004 709 915

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rlapolymers.com.au

Version:01

Issue Date 20/05/2024

RLA TRULEVEL TUFFTOP



PART OF THE NAN PAO GROUP

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 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.

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