TRULEVEL SCREED BINDER

Binder for fast drying, high performance screeds

DESCRIPTION:

RLA TRULEVEL SCREED BINDER is a specialist binder formulated for the improved performance of conventional floor screed mixes. Acting as the cement component, Screed Binder comprises special additives to ensure superior mechanical, fast drying and low shrinkage properties. Suitable for use for both internal and external applications, Screed Binder provides an ideal base for the subsequent laying of finishes including ceramic and stone tiles, timber and resilient flooring, as well as applications involving underfloor heating elements

FEATURES & BENEFITS:

- Enhanced mechanical performance over conventional screed mixes
- Fast drying and rapid hardening - reducing down time for the overlay of coatings and finishes
- Dimensionally stable
- Suitable for screed applications from 5mm up to 100mm in thickness
- Improved workability and finishing
- Suitable for internal & external applications

USES:

- Residential & commercial applications where a high performance screed is required for internal & external areas
- Bonded and unbonded screed applications
- Underlayment for floor coverings such as carpet, ceramic tiles and resilient floor coverings
- Repairs of uneven concrete floors
- Rapid repairs to existing floor screeds
- New construction, refurb and remedial projects
- Building up areas prior to application of floor coverings
- Embedding/encapsulating heated floor elements

SUBSTRATES:

- Concrete
- Screed
- Compressed fibre cement sheeting
- Ceramic tile underlay
- RLA wet area membranes

SURFACE PREPARATION:

- Ensure all surfaces are clean, sound, dry, and free from dirt, dust, oil, grease, wax residues, curing compounds, release agents, paints, sharp protruding objects and all other loose and contaminating materials that could compromise the adhesion of the overlaid screed system.
- All surfaces and substrates to be fit for purpose for their intended use and installed as per manufacturers recommendations, relevant building codes and standards enforced at the time of installation

Bonded Systems

- To be minimum 5mm thickness
- Concrete slabs must be allowed to cure for at least 14 days, have a wood float finish, and a minimum compressive strength of 20MPa
- Steel-trowelled, burnished and dense concrete surfaces must be mechanically abraded to roughen surfaces and provide a suitable key
- Substrates subject to active moisture or rising damp must be treated with RLA MOISTURE SEAL

Unbonded Systems

- To be minimum 40mm in thickness
- For unbonded applications, substrate is to be isolated with 2 layers of polyethylene plastic sheet or similar
- Galvanized metal reinforcement to be incorporated in accordance with AS 3958

PRIMING:

For bonded systems, screeds enhanced with Screed Binder must be applied/bonded to surfaces using one of the following options:

OPTION A: SLURRY PRIMER:

1 part RLA PLASTINEX
2 parts screed mix
(parts measured by volume)

- Combine slurry primer components in a clean mixing pail and mix using an electric stirrer with paddle attachment at slow/medium speed until a fluid slurry consistency is formed, and all components are suspended in the mix
- Brush, roll or broom slurry primer working into surfaces at a thickness 2-3mm ensuring full coverage
- Screed mix to be laid over a damp coat of slurry primer as a “wet on wet” application for optimum adhesion

OPTION B: RLA MASTIK TILE ADHESIVE

- Mix RLA MASTIK tile adhesive with water as per instructions and apply to surfaces using an 8mm square notched trowel to where the Screed Binder enhanced screed is to be laid
- Screed is to be laid over a wet bed of adhesive as a "wet on wet" application

Important: Do not let the adhesive skin before applying the screed. Once the adhesive skins, remove and re-apply fresh adhesive.

MIX DESIGN:

20kg RLA SCREED BINDER
130kg graded aggregate 1-3mm
11litres water*

*Water demand can vary considerably depending on grading curve of the aggregate used and moisture content of the aggregate. It is advisable to start mixing the screed with a small quantity of water and gradually add the remaining part, until the optimum consistency has been obtained.

MIXING:

- Product is best mixed with a forced action screed mixer
- Combine premeasured dry ingredients, then add water and mix for a minimum 5 minutes until a pliable consistency is achieved

DO NOT MIX BY HAND

APPLICATION:

- All preparation and screed installation should be carried out in accordance with the NCC (National Construction Code of Australia) and relevant, applicable standards
- Install screed by conventional means including screed bar and float
- Spread, compact and level immediately after mixing to ensure maximum work time
- Float finish with conventional manual or machine equipment

Important:

- The addition of water to the screed after it has started to stiffen is not recommended. Any screed that has not been placed whilst still pliable should be discarded and a new batch prepared
- Installed areas should be protected from direct sunlight or drying winds during cure to prevent rapid drying

EXPANSION / MOVEMENT JOINTS:

- Movement joints to be installed as per NCC and applicable building standards

CLEAN UP:

- Clean all tools and equipment with water immediately after use. Hardened material to be removed mechanically

PACKAGING:

20kg Bags
1t Bags

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

HEALTH & 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.

LIMITATIONS:

- Not recommended for use over timber or metal substrates
- Not to be used in immersed environments
- Do not add additional binders to the product; cement, lime, etc
- Do not apply when surface or ambient temperatures are below 5°C or above 30°C
- Do not add more water than recommended
- Do not hand mix
- Always check moisture content in finished screed prior to laying floorcoverings as per flooring manufacturers recommendations and relevant installation standards
- For detailed advice on applications not mentioned in this TDS, contact the RLA Technical Department

TECHNICAL DATA:	
Appearance	Grey powder
Bulk Density (kg/dm3)	Screed Binder: 1.1 Mixed with sand: 1.7
Shelf life	12 months
Packaging	20kg bags
APPLICATION DATA - 23°C AT 50% RH **Note:** Ambient and surface temperature and relative humidity will vary dry times. *Refer to applicable flooring standards for permissible moisture content of substrates	
Pot Life	>2 hours
Light Foot traffic	8 hours
Ceramic tile finishes	24 hours
Timber or resilient flooring	5 days*

PERFORMANCE DATA		
Age	**Flexural Strength (MPa)**	**Compressive Strength (MPa)**
1 day	>2	>7
3 days	>3	>14
7 days	>5	>22
28 days	>6	>30

Age	**Residual Moisture**
1 day	<4%
3 days	<3%
5 days	<2%

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 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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