

TRULEVEL ECONOSCREED RAPID

Rapid Drying & Hardening, Engineered Floor Screed



DESCRIPTION:

RLA TRULEVEL ECONOSCREED RAPID is a pre blended, slump free, shrinkage compensated engineered cementitious compound designed for high-performance screeding applications to internal and external areas. Consisting of select aggregates and unique polymer technology, Econoscreed Rapid maintains high strength at lower builds, whilst providing excellent water resistant, enhanced workability and superior finishing properties. Econoscreed Rapid offers rapid setting and hardening for new and remedial applications requiring fast turnaround times.

FEATURES & BENEFITS:

- Fast and easy installation
- Rapid hardening and drying
- Pre-bagged, maintaining mix consistency and avoids potential contamination of site mixes.
- Does not require additives or admixtures
- Reduces downtime. Waterproofing compounds and most floor coverings can be applied on the same day
- Excellent water resistance - reduces risk of efflorescence associated with sand/cement blends
- Excellent adhesion to prepared substrates
- Dimensionally stable- will not crack
- Provides high strength at low builds
- Application thicknesses from a minimum of 10mm up to 100mm in a single application

RECOMMENDED USE:

- Residential and commercial applications where an engineered floor screed is required for internal or external areas
- Underlayment for floor coverings such as carpet, ceramic tiles, vinyl, parquetry etc.
- Repairs of uneven concrete floors
- New construction, refurbishment and remedial projects requiring fast turnaround times
- Forming up ramp areas prior to application of floor coverings
- As an insitu shower base with required falls to drains
- Building ramps or falls to floors

SUBSTRATES:

- Concrete
- Masonry
- Concrete Blocks
- RLA wet area membranes

SURFACE PREPARATION:

- Surfaces must be prepared thoroughly before commencing application.
- All substrates must be structurally sound, smooth, stable, dry, and clean.
- Building surfaces must be constructed to the manufacturer's recommendations and relevant building standards in force at the time of the application.
- All surfaces must be free of sharp protruding objects, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss grime, oils, animal fats, or grease remains.
- Structurally unsound layers and surface contaminants must be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods
- Concrete substrates must be at least 14 days old
- Substrates subject to active moisture or rising damp must be treated with [RLA MOISTURE SEAL](#)

UNBONDED SCREEDS

Minimum 40mm thickness

- TruLevel Econoscreed Rapid is to be laid over two layers of polyethylene plastic sheet as a slip sheet / isolating layer between the substrate and screed
- Galvanized metal reinforcement to be incorporated in accordance with AS 3958.

BONDED SCREEDS

Minimum 10mm thickness

- Econoscreed Rapid must be applied over a primed surface for bonded applications
- A slurry primer comprising Econoscreed Rapid mixed with [RLA PLASTINEX](#) acrylic bonding agent is recommended for optimal adhesion to surfaces

SLURRY PRIMER

1 part [RLA PLASTINEX*](#)
2 Parts [ECONSCREED RAPID](#)

Note: Parts measured by volume

***Equates to 6.25litres of Plastinex per 20kg bag of Econoscreed Rapid**

Slurry primer application

- Combine slurry 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
- Apply slurry primer to surface by medium nap roller, brush or soft bristle broom at a 2mm wet film thickness
- Econoscreed Rapid is to be laid over a damp coat of slurry primer as a “wet on wet” application for optimum adhesion

Note: Periodically re-stir slurry primer mixture as necessary to prevent dry components settling

MIXING:

Mix one 20kg bag with 1.7 litres of clean water.

- Add pre-measured water to a clean mixing bucket
- Slowly add the powder to the water while mixing continuously using an electric/mechanical stirrer with a paddle attachment at a slow-medium speed.
- When the entire contents of the bag have been added to the water, mix for a further two (2) minutes to produce a smooth homogenous consistency
- Discard any Econoscreed Rapid that has hardened or stiffened in the mixing

DO NOT MIX BY HAND & DO NOT ADD EXCESS WATER

PLACEMENT:

- Install Econoscreed Rapid onto a wet/damp coat of the Plastinex slurry primer as a wet on wet application for optimum adhesion
- While the mortar is fresh, level the screed to desired height or falls and finish with a wood float.

Application Recommendations

- Econoscreed Rapid has a very short working time. It is recommended to work in small areas and only mix up quantities that will be used within the working time
- Tamping and packing the screed mortar increases the performance and reduces the porosity of the screed.
- The addition of water to Econoscreed Rapid after it has started to stiffen is not recommended.
- Any Econoscreed Rapid that has not been placed whilst still pliable should be discarded
- Installed areas to be protected from direct sunlight or drying winds during cure to prevent rapid drying
- Isolating materials such as polystyrene foam are recommended for placement to areas where the screed will abut perimeter walls, around columns and protrusions before laying

FILLING HOLES & GENERAL REPAIRS

- When filling holes and voids, apply Econoscreed Rapid into the hole and compact well by applying firm pressure to the trowel ensuring Econoscreed Rapid comes into total contact with the substrate.
- Leave the repair proud of the hole or for approximately 10 minutes, before trimming off the excess and finishing off with a damp steel trowel.
- Once hardened, the area can be levelled over with [TRULEVEL ECONOPRO](#) if required

COVERAGE:

Thickness	Coverage per 20kg bag
10mm	1m ²
20mm	0.5m ²
30mm	0.3m ²
40mm	0.25m ²
50mm	0.2m ²
100mm	0.1m ²

Note: Coverage will vary based on surface condition e.g. roughness, evenness etc.

DRYING/CURING

Working time	30-60 minutes
Setting time	1.5-2 hours
Light foot traffic	4 hours
Waterproof membrane application	4-6 hours
Ceramic tile finishes	4-6 hours
Timber floors & Resilient finishes	24 hours
<p>IMPORTANT: Residual moisture levels to be tested as per relevant installation standards and flooring manufacturers recommendations</p> <p>NOTE: Drying times are based on ambient temperatures @ 23°C and 50% RH. Drying times may vary subject to ambient/surface temperatures, humidity and screed thickness Drying/curing times will be extended in cooler conditions and periods of high relative humidity</p>	

CLEAN UP:

Econoscreed should be removed from tools and equipment with clean water immediately after use

PACKAGING:

20kg 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.

NOTES & PRECAUTIONS:

- Not recommended for use over timber or metal substrates
- Not to be used in immersed environments
- Do not apply when surface or ambient temperatures are below 5°C or above 30°C
- Econoscreed consists of cement products which may contain crystalline silica, therefore when using this product precaution must be taken to prevent long term exposure to dust.
- Do not over water
- Do not hand mix
- Always check moisture content in large/thick applications prior to laying floorcoverings as per flooring manufacturers recommendations and relevant installation standards
- Do not use in areas subject to hydrostatic head of pressure without use of [RLA MOISTURE SEAL](#)
- For further information about this product contact RLA Technical Department

TECHNICAL DATA:

PRODUCT INFORMATION:	
Appearance	Grey powder
Bulk Density (kg/dm³)	1.6
Wet Density (kg/dm³)	2.2
Application temperature	5°C to 35°C

PERFORMANCE DATA:		
Age	Flexural Strength (MPa)	Compressive Strength (MPa)
1 day	>5	>30
7 days	>8	>50
28 days	>10	>65

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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