

# TRULEVEL ECONOSCREED

Premium, Engineered Floor Screed



## **DESCRIPTION:**

**RLA TRULEVEL ECONOSCREED** is a slump- free, shrinkage controlled, engineered cementitious compound designed for high-performance screeding applications to internal and external areas. A blend of select aggregates, Econoscreed maintains high strength at lower builds, whilst providing enhanced water resistant and durable properties. Conveniently available in premixed bags, Econoscreed offers fast setting properties, enhanced workability and superior finishing for new and remedial applications.

## **FEATURES & BENEFITS:**

- Rapid and easy installation
- Pre-bagged, maintaining mix consistency and avoids potential contamination of site mixes.
- Does not require additives or admixtures
- Fast drying and rapid hardening, reducing down time for the overlay of coatings and finishes
- 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.
- Suitable for screed applications from 5mm up to 80mm in thickness
- Excellent workability and quality finishing

## **RECOMMENDED USE:**

- Residential and commercial applications where 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.
- 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 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 5mm thickness**

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

## **SLURRY PRIMER**

1 part RLA PLASTINEX\*

2 Parts ECONOSCREED

**Note:** Parts measured by volume

<b>Mix Ratio</b>	<b>6litres Plastinex / 20kg bag of Econoscreed</b>
<b>Coverage</b>	<b>Approximately 7.5m<sup>2</sup> per bag</b>

### **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 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 1.5-1.7litres 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 that has hardened or stiffened in the mixing

**DO NOT MIX BY HAND & DO NOT ADD EXCESS WATER**

## **PLACEMENT:**

- Install Econoscreed 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**

- Only mix up quantities for areas 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 after it has started to stiffen is not recommended.
- Any Econoscreed 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 into the hole and compact well by applying firm pressure to the trowel ensuring Econoscreed 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, a suitable RLA TruLevel Levelling System can be applied over

## **COVERAGE:**

<b>Thickness</b>	<b>Coverage per 20kg bag</b>
<b>5mm</b>	2m <sup>2</sup>
<b>10mm</b>	1m <sup>2</sup>
<b>20mm</b>	0.5m <sup>2</sup>
<b>30mm</b>	0.3m <sup>2</sup>
<b>40mm</b>	0.25m <sup>2</sup>
<b>50mm</b>	0.2m <sup>2</sup>
<b>80mm</b>	0.12m <sup>2</sup>

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

## DRYING/CURING

Working time	>3hours	
Setting time	4 hours	
Light foot traffic	8 hours	
Waterproof membrane application	24 hours	
Ceramic tile finishes	24 hours	
Resilient finishes	4 days	
Timber floors	5 days	
Residual Moisture %	<b>1 day</b>	<b>3 days</b>
	4.6%	3.2%
<p><b>IMPORTANT:</b> Residual moisture levels to be tested as per relevant flooring installation standards and manufacturers recommendations</p> <p><b>NOTE:</b> Drying times are based on screed beds up to 5cm thick at ambient temperatures of 23°C and 50% RH. These 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> <p>Drying times may extend up to 7 to 10 days for each additional cm of screed thickness.</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/dm <sup>3</sup> )	1.6
Wet Density (kg/dm <sup>3</sup> )	1.9
Application temperature	5°C to 35°C

PERFORMANCE DATA		
Age	Flexural Strength (MPa)	Compressive Strength (MPa)
<b>1 day</b>	>2	10.5
<b>4 days</b>	>4	17
<b>7 days</b>	>5	20
<b>28 days</b>	>7	26.5

**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](mailto:info@rlapolymers.com.au)

**MAIL:** 215 Colchester Road Kilsyth Victoria 3137  
(Attention Customer Service)

**WEBSITE:** [www.rlapolymers.com.au](http://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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