

TruLevel EconoScreed Rapid

Rapid setting & hardening, high early strength screed.

DESCRIPTION

EconoScreed Rapid is a ready-to-use, rapid hardening and drying, high early strength, slump-free and shrinkage compensated screed for flooring. EconoScreed Rapid may be used for internal and external applications. Mixed screed accepts light foot traffic after 2 hours and can be tiled over in 4 hours.

RECOMMENDED USES

- Can be used in residential commercial and any application where a rapid hardening internal and external floor screed is required
- Underlayment for floor coverings such as carpet, ceramic tiles, vinyl, parquet etc.
- Fast repairs of uneven concrete floors
- Residential, commercial and medium industrial application
- Application thickness up to 200mm in a single application
- New construction and refurbishment projects. Building up ramp areas prior to application of floor coverings
- As an insitu shower base with required falls to drain
- Ideal for building ramps or falls to floors

FEATURES AND BENEFITS

- Easy, fast application
- Rapid hardening and drying
- Can be applied directly onto prepared concrete surfaces
- Eliminates the need for sand and cement screeds
- Dimensionally stable- will not crack
- Excellent adhesion to prepared substrates
- Pre-blended. One pack product eliminating on-site batching and ensures consistency of mixed product
- Australian Made
- Rapid repair of internal and external sub floors and concrete stairs and ramps
- Reduces down time. Waterproofing compounds and most floor coverings can be applied in the same day.

Prior to carrying out application the substrate must be primed:
For Porous Substrate: must be primed with Level Hard Primer.
For Non-Porous: must be primed with Universal Primer
New concrete floors must be at least 14 days old

PRIMING

Porous Floors:

Prime the clean dust free concrete substrate with Universal Primer (3:1 dilution) for porous substrates using a brush, broom or roller.

Allow primer to reach a tacky consistency before applying EconoScreed Rapid. Approximate drying time of the primer is 20 - 30 minutes at 50% RH and 25 °C. Extremely porous substrates such as weather damaged slabs, aerated lightweight concrete etc. may require a second coat of primer to avoid pinholes or bubbles in the screed. If a second coat is required allow the first coat to dry prior to application of consecutive coat.

Apply primer at 8-10 m²/litre. Brush out ponded primer to allow for an even application and ensure primer is completely dry prior to the application of EconoScreed Rapid. **DO NOT APPLY TO UNPRIMED SURFACE.**

Primed areas should receive the EconoScreed Rapid as soon possible after the primer becomes tacky to avoid dust and surface contamination effecting adhesion of the EconoScreed Rapid to the primer.

For concrete substrates that contain greater than 5.5% moisture content or are subject to greater than 70% relative humidity, rising damp or moisture - it is imperative that a moisture barrier is required. It is recommended that Aftek Moisture Seal be used. Moisture Seal should be used as a vapour barrier prior to the application of EconoScreed Rapid, it is to be applied in accordance with Moisture Seal Technical Data Sheet. Floors treated with Moisture Seal should be treated as a non-porous surface and primed with Universal Primer.

Non-Porous Floors:

For application of EconoScreed Rapid to non-porous substrates use Universal Primer undiluted. Contact your nearest RLA office for Technical Data Sheet.

MIXING

EconoScreed Rapid requires 1.5 – 1.7 litres of clean water per 20kg bag and is best mixed with a forced action, high shear stirrer, powered by a heavy duty electric mixing drill at approx. 600 rpm. Add pre-measured water to a clean mixing bucket. Gradually add EconoScreed Rapid into the water whilst continuously mixing the contents of the bucket. 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.

DO NOT MIX BY HAND AND DO NOT ADD EXCESS WATER.

Discard any EconoScreed Rapid that has hardened or stiffened in the mixing bucket. Further addition of water will NOT reconstitute a useable mixture.

PLACING

It should be noted that EconoScreed Rapid has a very short working time. It is advisable to mix up quantities that will be used within the working time and it is recommended to work in small areas.

FOR FILLING

When filling holes and cracks, apply the EconoScreed Rapid into the hole well. Ensure the EconoScreed Rapid comes into total contact with the substrate by applying firm pressure to the trowel. It is recommended to leave the repair proud of the hole or crack for about 10 minutes, then trim off the excess and finish off with a damp steel trowel. As soon as the EconoScreed Rapid has hardened, the area can be levelled over with Tru Level Econo Pro if required

CURING

No curing is required. 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 if not able to be used within 60 minutes as hardening will occur.

COVERAGE

For a 20kg bag of EconoScreed Rapid mixed with 1.7 litres of clean water: This quantity will cover approximately 10m² at 1 mm thickness. EconoScreed Rapid can be installed to any thickness in a single application. Refer to RLA for additional information on application.

Thickness	Area m ² per 20kg bag
5mm	2.0
10mm	1.0
20mm	0.5
30mm	0.33
40mm	0.25
50mm	0.20
100mm	0.10

PRECAUTIONS

- Concrete substrates must be at least 14 days old
- Do not over water
- Do not hand mix
- Check moisture content in large/ thick applications prior to laying floor coverings
- Protect from direct sunlight or drying winds during cure
- Do not use in areas subject to hydrostatic head of pressure without use of moisture barrier,
- Do not use in areas subject to constant water immersion

PERFORMANCE PROPERTIES

General	
Appearance	Grey powder
Bulk density (kg/m ³)	1700
Wet density (kg/m ³)	2200
Application temperature	5°C – 35°C

Application at 23°C / 50% R.H	
Working time	30 - 60 minutes
Setting time	1.5 - 2 hours
Light foot traffic	2 - 3 hours
Wait time before floor covering or waterproofing	4 - 6 hours for ceramic 24 hours resilient and wood

Performance			
Age	Flexural strength (MPa)	Compressive strength (MPa)	Residual moisture (%)
1 day	≥ 5	≥ 30	< 2.0
7 days	≥ 8	≥ 50	< 1.5
28 days	≥ 10	≥ 65	< 1.5

STORAGE-SHELF LIFE

EconoScreed Rapid has a shelf life of approx. 12 months if kept in a dry environment away from moisture. For further information consult Technical department.

CLEAN UP

EconoScreed Rapid should be removed from tools and equipment with clean water immediately after use.

SAFETY PRECAUTIONS

Avoid contact with skin. Protective gloves and clothing are recommended when mixing or using this product. Please refer to full SDS (safety data sheet) for this product, which is available upon request or through www.rlapolymers.com.au

Disclaimer:

The information supplied is to the best of our knowledge true and accurate. The actual application of the product is beyond the manufacturers control. Any failure or damage caused by the incorrect usage of the product is not the responsibility of the manufacturer. The manufacturer insists that all workmanship must be carried out in accordance with AS 3958.1-2007. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.