

# TruLevel EconoPro

Self-smoothing general purpose cementitious underlay.



Tru Level Econo Pro is a specially formulated floor leveling compound designed to achieve a smooth flat surface for application of internal carpet, tiles, vinyl and floating floor systems.

## RECOMMENDED USES:

- As a general purpose economical underlayment for internal carpet, vinyl, tiles, timber floors
- Reinstatement of uneven concrete slabs/ floors
- Leveling defective concrete that does not meet requirements of after trades such as vinyl, tiles carpet
- Rapid repairs with minimal down time
- Use in commercial, domestic and light industrial applications

## FEATURES & BENEFITS:

- Rapid drying accepts foot traffic in 3-4 hours
- Ready to use- simply add water and mix
- Large areas can be reinstated in relatively short time periods
- Eliminates need for sand/ cement screeds
- Can be applied from 2mm – 30mm in a single application
- Large area can be applied with no cracking or delamination
- Floor coverings can be applied 24 hours after application

## APPLICATION INSTRUCTIONS:

### Surface Preparation:

All surfaces must be clean and free from grease, oil, paints sealers, curing compounds, dust or any material that will affect the bonding capabilities of the primer/leveling compound.

Foreign material such as bitumen, adhesive or coatings such as epoxy must be removed via mechanical means such as scabbing, captive shot blasting or grinding followed by vacuuming to remove dust and dislodged material.

If large holes and cracks are present fill with TruLevel EconoPro mix with equal portions medium grade dry sand (Epilox F6 or F4 Fillers are preferred).

All substrates must be primed with Level Hard Primer. Ensure concrete slabs are at least 14 days old prior to application of Tru Level Econo Pro.

### Surface Preparation:

#### Priming:

Prime all prepared areas with **Level Hard Primer** using a roller, brush, broom or spray application. **Level Hard Primer** is supplied in a ready to use form.

DO NOT DILUTE WITH WATER

Apply **Level Hard Primer** at a coverage rate of 5-7 square meters per litre.

For extremely porous substrates a second coat of primer may be required to eliminate air bubbles, pinholes and adhesive issues that may arise due to insufficient primer.

For very dense and non-porous substrates such as burnished concrete surfaces, it is recommended that RLA Universal Primer I be used as the primer. For additional information contact RLA.

### Concrete Surfaces with High Moisture Content-

For concrete surfaces that contain a moisture content of greater than 5% moisture or relative humidity greater than 75% or surfaces subject to rising damp or moisture due to hydrostatic pressure, it is recommended that RLA Moisture Seal be used prior to application of TruLevel EconoPro.

A minimum of two coats of RLA Moisture Seal must be used. Allow the first coat of Moisture Seal to cure before applying the second coat. RLA Universal primer can be applied over the Moisture Seal prior to applying TruLevel EconoPro.

Refer to Technical Data Sheet for RLA Moisture prior to application.

The ambient air temperature, substrate temperature, mixing water temperature and material contained in each bag must not exceed 30°C or fall below 5°C.

## Mixing:

TruLevel EconoPro requires 4.6 – 4.9 litres of water per 20kg bag.

Accurately pre-measure the required water and add to the mixing bucket.

Slowly add powder to the water whilst continuously mixing.

Using an electric mixing drill with a high shear stirrer or a spiral mixing paddle mix the contents for 3-4 minutes ensuring a uniform homogenous consistency is obtained.

DO NOT MIX BY HAND.

DO NOT ADD EXCESS WATER: WATER LEVEL OF GREATER THAN 4.9 LITRES PER BAG WILL RESULT IN SEGREGATION AND BLEED AND A POWDERY SOFT SURFACE

TruLevel EconoPro may be applied using a continuous automatic pump such as a Putznecht or Putzmeister. (Consult RLA for additional information)

Only mix the quantity of material that can be used within the working time of the material.

Apply the TruLevel EconoPro immediately after completion of mixing. Ensure subsequent mixers are ready to allow for continuous uninterrupted pouring onto the entire surface.

DO NOT REWORK OR RETEMPER ANY PARTIALLY SET PRODUCT. DISCARD ANY MATERIAL THAT HAS STIFFENED, HARDENED OR CURED.

## Application:

Apply the mixed TruLevel EconoPro to the prepared and primed substrate using a trowel, squeegee or screed bar to give the required finished thickness.

The maximum thickness applied in any application should be limited to 30mm. Consult RLA technical staff for thicknesses greater than 30mm. Feather edging must be kept to a minimum.

## CURING:

The application of a curing membrane or water is not necessary.

TYPICAL PROPERTIES			
Appearance	Light grey powder/Light grey when cured		
Fresh wet density	1850kg/m <sup>3</sup>		
Application temperature	Minimum	5° C	
	Maximum	30° C	
Setting times	Initial	20°C	40min
	Initial	30°C	25min
	Final	20°C	55min
	Final	30°C	35min
Application thickness	2-30mm in a single application		

**COMPRESSIVE STRENGTH**

Age (days)	Compressive Strength MPa	Flexural Strength MPa
1	10	3
3	15	5
7	25	8
28	30	9.5

**WORKING TIME**

Temperature °C	Time minimum	Foot traffic time	Time to cover with floor covering
5	60-70	10-12 hrs	48 hrs
10	55-65	5-7 hrs	48 hrs
15	45-55	4-5 hrs	24 hrs
20	35-40	3-4 hrs	18 hrs
30	25-35	2-3 hrs	10 hrs

**COVERAGE/YIELDS**

Coverage obtained using 4.8 litres water per 20kg bag

Thickness	Area per m2 per 20kg bag
1	2.6
3	1.3
7	1.0
28	0.87
28	0.43

**A 20kg bag of TruLevel EconoPro will yield 13 litres.****PACKAGING:**

TruLevel EconoPro is supplied in 20kg poly lined bags- item No. 430074

Level hard Primer is supplied in 5 and 20 Litre containers.

**STORAGE / SHELF LIFE:**

TruLevel EconoPro has a shelf life of 9 months if stored in the original sealed packaging in dry, low humid environments.

**IMPORTANT NOTES:**

- TruLevel EconoPro is used as an underlay only and not designed as a wearing coarse
- TruLevel EconoPro is suitable for internal use only.
- TruLevel EconoPro is not suitable for fully submersed installations.
- Do not add excess water
- New concrete must be minimum 14 days old
- If moisture content of slab is greater than 5%, apply RLA Moisture Seal (moisture barrier) prior to application of TruLevel EconoPro,
- RLA Universal Primer can be used over Moisture Seal prior to application of TruLevel EconoPro
- Do not allow TruLevel EconoPro to come into contact with water before or after the cure process
- If substrate over which TruLevel EconoPro is applied moves or cracks, reflective cracking will occur
- Do not apply TruLevel EconoPro over expansion or construction joints as cracking may occur
- Do not apply TruLevel EconoPro in direct sunlight or drying winds as pre-moisture dry will occur and possible cracking may occur
- Always use mechanical mixing to mix the TruLevel EconoPro
- Feather edging should be kept to a minimum
- Allow a minimum of 3 days for cure at 20° prior to subjecting to medium traffic
- Do not apply point loading on any area of the floor as cracking may occur. This will be predominant in sections less than 5mm thick
- For more detailed information, please read the SDS for this product

**CLEAN UP:**

Wash all tools and equipment with fresh, clean water immediately after use. TruLevel EconoPro can only be removed mechanically.

**HEALTH & SAFETY:**

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 from RLA upon request or through [www.rlapolymers.com.au](http://www.rlapolymers.com.au)**TECHNICAL SUPPORT:**

RLA Polymers manufactures a comprehensive range of high quality, high performance construction products. In addition, RLA Polymers offers technical support and on-site advice to specifiers, end users and contractors. Please contact your RLA Polymers sales representative or RLA Head Office for this service

DISCLAIMER: The information and any recommendations relating to the application and end-use of all RLA products are provided in good faith based on RLA's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by RLA. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions. PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.