



# ECO LASTIC

ECO SYSTEMS™ ECO LASTIC is a specially formulated polymer admixture used to fortify sand/cement screeds, renders and factory prepared cement based adhesives. It is ideal for use in areas of vibration, point loading and thermal shock and is recommended for use in internal, external wall and floor applications.

## PRODUCT FEATURES

- Increases compressive, sheer & flexural strength
- Improves adhesion
- Reduces shrinkage and cracking
- Improves workability and strength
- Improves shock, frost and chemical resistance
- Non-toxic

## AREAS OF USE

- Fortifying cement based adhesives and grouts
- Sand/cement screeds and renders

## SURFACE PREPARATION

### General

Ensure that the surface is dry and clean. Remove any loose material and all contaminants such as grease, oil and dust prior to applying. Allow at least 7 days for the concrete to cure. Concrete should be left with an open surface standard helicopter finishes are generally acceptable if they display the “Moderate water absorption” in the substrate test. Wood float or broom finish is preferred where possible. All traces of curing compounds (or sealers) should be removed prior as these can act as release agents. The substrate must be prewetted (dampened) with clean water.

### SLURRY BOND COAT

Mix 1 part ECO SYSTEMS™ ECO LASTIC with 1 part clean water and 2 parts Portland cement by volume and mix thoroughly to produce a brushable consistency, apply this mixture to the dampened masonry substrate using a stiff bristle broom or brush ensuring mix is worked well into the substrate. Apply subsequent topping while the slurry bond coat is still wet and tacky.

ECO LASTIC	WATER	CEMENT
1 PART	1 PART	2 PARTS

## ADHESIVE

ECO SYSTEMS™ ECO LASTIC is used as a total water replacement to fortify CTA™ cement based adhesives to improve adhesion, reduce shrinkage and increase compressive and flexural strength. Approximately 5.5 litres of ECO SYSTEMS™ ECO LASTIC liquid is required for a 20Kg bag of CTA™ cement based adhesive. Refer to relevant product technical data sheet for further application detail.

## SAND/CEMENT SCREEDS AND RENDERS

ECO SYSTEMS™ ECO LASTIC may be used as a mortar additive. Premix 1 part ECO SYSTEMS™ ECO LASTIC with 2 parts clean water, use this premix as the gauging water to mix sand and cement screed and/or render, a semi dry consistency is recommended, adjust mix to suit. Apply the mix to the desired thickness. The screeds and/or renders must conform with the appropriate standard and should be left with a wood float finish and left to cure for at least 24 hours per 25mm thickness.

ECO LASTIC	WATER	SAND/CEMENT
1 PART	2 PART	3:1

## DRYING

Allow a minimum of 24 hours to dry, allow longer in adverse weather conditions. Drying times may vary depending on application and is dependent on substrate porosity, ambient temperature and relative humidity.

## MIXING

ECO SYSTEMS™ ECO LASTIC should be stirred before use.

## CLEANING

ECO SYSTEMS™ ECO LASTIC can be cleaned up using warm water and detergent prior to drying.



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## STORING

When ECO SYSTEMS™ ECO LASTIC is stored in its original unopened package in a dry area off the ground at a temperature of 23°C and a relative humidity of 60%, it should be usable for approximately 12 months.

## HANDLING

CTA™ supports best practice in material handling: Gloves, mask & protective clothing should be worn. For further info refer to product SAFETY DATA SHEET.

## PACK SIZE

20 L and 5L plastic containers

## LIMITATIONS

- ECO SYSTEMS™ ECO LASTIC is not suitable for use as a primer.
- ECO SYSTEMS™ ECO LASTIC is not suitable as a bonding agent over non-porous substrates including, steel trowel finish floors or dense, non porous concrete, metal, plastic, glass or other similar impervious substrates.
- Do not apply onto permanently wet or damp substrates.
- Do not apply in temperatures below 5°C and above 35°C and under hot and windy conditions.
- Do not allow the product to freeze.
- Contact CTA™ Technical Department for further information.

## WARRANTY

Construction Technologies Australia Pty Ltd (CTA™) warrants its products for a period of twelve (12) years from the date of sale. Visit [www.ctaust.com.au](http://www.ctaust.com.au) to view the full terms and conditions of this warranty.

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### VICTORIA/TAS

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