



ECO CRETE

ECO SYSTEMS™ ECO CRETE is a modified dispersion of Styrene Butadiene Copolymer emulsion, which can be used as an admixture for cement mortars used for screeding, rendering, bricklaying, pointing and repairs. ECO SYSTEMS™ ECO CRETE improves adhesion, durability, flexibility, abrasion resistance and workability of modified cement mortars. ECO SYSTEMS™ ECO CRETE is a water resistant, multipurpose admixture and is recommended for use in internal, external and wall & floor applications.

PRODUCT FEATURES

- Reduces porosity
- Improves flexibility and strength
- Reduces shrinkage and cracking
- Improves adhesion and abrasion resistance
- Suitable for internal and external applications
- Extends open time and workability
- Easy application

AREAS OF USE

- Porous concrete
- Cement render
- Blockwork
- Brickwork
- Light weight blocks
- Sand/cement screeds

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.

MIXING

ECO SYSTEMS™ ECO CRETE should be stirred before use.

SLURRY BOND COAT

Mix 1 part ECO SYSTEMS™ ECO CRETE 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 CRETE	WATER	CEMENT
1 PART	1 PART	2 PART

SAND/CEMENT SCREEDS AND RENDERS

ECO SYSTEMS™ ECO CRETE may be used as a mortar additive. Premix 1 part ECO SYSTEMS™ ECO CRETE 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 CRETE	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.

CLEANING

ECO SYSTEMS™ ECO CRETE can be cleaned up using clean water and detergent prior to drying.



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STORING

When ECO SYSTEMS™ ECO CRETE 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 CRETE is not suitable for use as a primer.
- ECO SYSTEMS™ ECO CRETE 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 to view the full terms and conditions of this warranty.

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