



**ECO
SYSTEMS™**

ECO SCREED



ECO SYSTEMS™ ECO SCREED is a pre blended screed underlayment consisting of graded sand, cement and additives specially formulated for interior and exterior floors prior to the installation of AquaBlok™ waterproofing membranes, ceramic tiles, natural stone, carpet, wood and parquet flooring. Suitable for a variety of domestic and commercial application.

RECOMMENDED FOR

- Concrete slabs.
- Compressed fibre cement sheeting
- Internal and external applications
- Use under ceramic tiles and natural stone
- Use with AQUA BLOK™ waterproofing membranes
- Use in residential & commercial applications

PRODUCT FEATURES

- Pre-blended
- Suitable for thin and thick bed applications
- Installation of ceramic tiles possible after 12 hours
- Improve adhesion, compressive strength and thermal shock resistance by adding Prolastic / Admix A in the gauging water

SURFACE PREPARATION

General

Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt and other contaminants that would prevent a good bond. Ambient temperature, surfaces and materials should be maintained at temperatures higher than 10° C.

Concrete Slabs

Concrete slabs must be fully cured and must accept water penetration. Test by sprinkling water on various areas of the substrate. If water penetrates, then a good bond can be achieved; if water beads, surface contaminants are present, and loss of adhesion may occur. Contaminants should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a broomed or brushed finish to enhance the bond. Smooth concrete slabs must be roughened to ensure a good bond.

ECO SYSTEMS™ ECO SCREED – Bond Coat

A slurry bond coat should be applied over the prepared masonry substrate for bonded screeds. CTA™ Prolastic/Admix A should be diluted 1part water to 1 part admixture. The diluted admixture should then be mixed with an equal volume of portland cement. This mixture should be brushed or broomed onto the substrate, ECO SYSTEMS™ ECO SCREED mix must be laid over the slurry bond coat while it is still wet.

MIXING

20kg bag of ECO SYSTEMS™ ECO SCREED powder will require approximately 2 - 2.4L of clean, cool water. Slowly add powder to the water while mixing to achieve a workable mixture for the application. Once ECO SYSTEMS™ ECO SCREED is mixed, it must be used immediately and should not be allowed to stand. Mixing may be performed by machine, drill or hand. The addition of Prolastic / Admix A, diluted 1part admixture with 3 parts water in the gauging water will improve adhesion, compressive strength and shock resistance of the screed.

APPLICATION

After mixing the product place ECO SYSTEMS™ ECO SCREED onto the prepared substrate and screed to the desired thickness using a straight edge, ensure screed is well compacted with no voids. If required finish with a wooden or polyurethane float. Screed thickness from 15mm bonded and 25mm – 100mm unbonded in a single application.

DRYING

ECO SYSTEMS™ ECO SCREED dries to a walkable hardness in approximately 12 - 24 hours at 21°C. Allow 24 hours at 21°C prior to the application of ceramic tiles or stone. For temperatures below 20°C, allow the product to cure for an extended period of time. Test for moisture content before applying vinyl or wood flooring. Drying time is dependent on temperature, relative humidity and bed thickness of ECO SYSTEMS™ ECO SCREED.

CLEAN UP

Clean tools and equipment with warm water and detergent while the product is still wet.

COVERAGE

20kg bag of ECO SYSTEMS™ ECO SCREED will cover approximately 1m² at 10mm thick.

STORAGE

When ECO SYSTEMS™ ECO SCREED 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.

PACK SIZE

Available in 20kg paper bags

LIMITATIONS

- Do not use ECO SYSTEMS™ ECO SCREED directly over lightweight concrete, particleboard, hardwood floors, parquet floors or metal.
- Do not mix or apply ECO SYSTEMS™ ECO SCREED in temperatures below 10°C and above 35°C and under hot & windy conditions.
- Do not apply ECO SYSTEMS™ ECO SCREED over substrates that may subject to shrinkage after the application.
- Not recommended as a trafficable surface.
- Contact **CTA™ Technical Department** for further information.

SAFETY DIRECTIONS

CTA™ supports best practice in material handling: gloves, masks, safety goggles and protective clothing should be worn. If product comes into contact with the skin, wash off with warm soapy water. Avoid inhaling the dust by wearing a suitable dust mask and provide adequate ventilation. If swallowed, drink plenty of water and seek medical advice. In case of contact with the eyes, rinse with an eye wash or wash away with plenty of water. SEE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

WARRANTY

Construction Technologies Australia 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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