



# CHEM-CRETE® ECO110

One-component Liquid Material for  
Erosion Control, Dust Control and Soil Stabilization

## PRODUCT DESCRIPTION

CHEM-CRETE ECO110 is a resin emulsion effective as an erosion control for both barren and vegetative surfaces.

CHEM-CRETE ECO110 will control erosion for the most severe of conditions and has been used on problem soils to control wind and water erosion complicated by sonic and vibratory attack.

CHEM-CRETE ECO110 has a very small micron size particle allowing for better polymer-to-soil cross-linking, stronger adhesive bonds, low percentage of bond rupture and a resilient, longer lasting crust.



## ADVANTAGES

- Designed for long-term protection
- Biodegradable
- Harmless to plants and animals
- Can be used in hydro seeding
- Clear, leaves no unsightly appearance

## VARIETY OF USES

- Hillside or cliff erosion control
- Reseeding to establish plants
- Protection of seeded areas
- Control rills or problem runoff areas
- Stop the movement of sand or dust
- Control hazardous soils and airborne dust
- Stabilizes sandy dunes and soils

**Pathways:** May be used as a surface saturation treatment for decomposed granite jogging trails, pathways and wheelchair access trail surfaces.

## PACKAGING

Product	Packaging
CHEM-CRETE ECO110	5 Gallon (19.93 Liter) Pail
	55 Gallon (208.19 Liter) Drum
	275 Gallon (1040 Liter) Totes

## TECHNICAL DATA

Specific Gravity	1.1
Freeze Harm	Complete
For Cleaning	Water
Color	White
Toxicity	None
Flammability	None
Fumes During Treatment	None
Environmental Hazards	None

## APPLICATION DATA

CHEM-CRETE ECO110 Can be applied from a water truck, hydro seed truck, and spray rig, gravity feed from a tank or drum.

Application of the CHEM-CRETE ECO110 is simple and straightforward. The polymer is added to water and sprayed on hills, cut banks, tailings piles, hazardous dust areas or other surfaces where wind and water erosion or dust control are problems.

The application of CHEM-CRETE ECO110 dries clear and does not affect the natural appearance of the soil that has been treated. A thin film membrane is formed which "breaths" allowing an exchange of air and soil produced gasses as well as water vapor between the atmosphere and the soil. Small amounts of moisture are able to pass through the membrane.

The CHEM-CRETE ECO110 soil polymer is designed to be photo reactive and biodegrade. Film thickness will degrade about the time seeds have germinated and plants are established.

Heavy applications of the soil polymer are less photo-reactive, degrade very slowly and provide lasting protection for a year or more.

**Mixing:** mixing is not critical as long as care is taken to ensure thorough coverage at the intended number of square feet per gallon.

The dilution ratio will always vary with the moisture content of the soil being treated and the type of application and result desired.

**Specifications:** specifications are written by International Chem-Crete Corp. for the desired result and special problems or environmental needs.

**Coverage\*:** below is a general guide to coverages

**Hazardous Soil/Dust and Sand Control:** One gallon of material is used at a rate of 50-100 ft<sup>2</sup> (1.2 – 2.4 m<sup>2</sup>/L).

**Erodible Soil Types :** 10 to 15 parts water – long term at 140 to 300 ft<sup>2</sup> per gallon (3.4 – 7.3 m<sup>2</sup>/L).

**Restoration/Plant Establishment:** 20 to 30 parts water – for germination and erosion control at 300 to 500 ft<sup>2</sup> per gallon (7.3 – 12.2 m<sup>2</sup>/L).

**Dust Control:** 25 to 35 parts water – short term/moderate at 500 to 750 ft<sup>2</sup> per gallon (12.2 – 18.4 m<sup>2</sup>/L).



\*Note: refer to product's method statements for detailed application and coverage instructions.

#### CLEANING

Clean all equipment, tools with fresh clean water immediately after use.

#### STORAGE

Two years shelf life when stored in cool, dry place in its original unopened container. Always agitate or stir the product's container before using. **DO NOT ALLOW PRODUCT TO FREEZE.** Repeated freezing & thawing might cause damage for the product.

#### SAFETY PRECAUTIONS

As with all construction chemical products, adequate precautions and care must be taken during usage and storage. Avoid direct contact with foodstuff, eyes, skin, and mouth. Any direct contact with skin, eyes, etc. should be washed thoroughly with clean running water and soap.

Always wear protective goggles and gloves. In case of eye contact, flush for 15 minutes with warm water. **KEEP OUT OF REACH OF CHILDREN.**

#### TECHNICAL ASSISTANCE

Please contact International Chem-Crete Corporation for Technical Personnel.

#### WARRANTY

**LIMITED WARRANTY:** International Chem-Crete Inc. warrants that, at the time and place we make shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

**DISCLAIMER:** The information contained herein is included for illustrative purposes only and, to the best of our knowledge is accurate and reliable. International Chem-Crete Inc. is not under any circumstances liable to connection with the use of information. As International Chem-Crete Inc. has no control over the use to which others may put its products, it is recommended that the products be tested to determine the suitability for specific applications and/or our information is valid in particular circumstances. Responsibility remains with the architect or engineer, contractor and owner of the design, application and proper installation of each product. Specifier and user shall determine the suitability of the product for specific application and assume all responsibility in connection therewith. AM25319.

**Manufactured By:**



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