

ConSeal CR

Single Component Crystalline Capillary Waterproofing System

DESCRIPTION

ConSeal CR is a ready to use, single component crystalline, deep penetrating, reactive capillary waterproofing system for concrete & mortars. This cement based coating, contains special additives that penetrates deep into the capillaries and forms water insoluble crystals deep into the pores of the concrete and mortars.

ConSeal CR does not form a layer. This crystalline waterproofing system seals the pores and is effective for both positive & negative water pressure.

USES

- Waterproofing of below ground concrete structures.
- Waterproofing of Retaining walls from both positive & negative sides.
- Waterproofing of water tanks and reservoirs.
- Waterproofing of septic tanks.
- Sewage & treatment plants.
- Swimming pools
- Tunnels & Lift pits
- Shower walls and floors prior to tiling

ADVANTAGES

- Easy application
- Deep penetrating crystallization action.
- Effective for both positive & negative sides.
- Becomes integral and homogenous part of the structure.
- Non-Toxic

TECHNICAL SPECIFICATIONS

Appearance	Cementitious Powder, color grey
Water Powder Ratio	0.28 – 0.30 by weight
Mixed Density	2.0 Kg./Ltr.
Coverage	1 Kg. Per M ²
Storage Condition	Store in a cool dry area between 5 ⁰ C & 35 ⁰ C
Shelf Life	Shelf life is up to 06 months from the production date, when stored in covered and out of direct sunlight area.

PACKAGING

ConSeal CR is supplied in 20 Kg. Plastic Bag.

INSTRUCTIONS FOR USE

Surface Preparations

Surfaces to be waterproofed must be completely clean and structurally sound. All surface coatings, defective renders, foreign matter, formwork treatments and other contaminants that may affect the bond adversely should be removed.

Surfaces should be prepared by abrasive blasting or high-pressure water treatment. Do not use scabbling or any other aggressive method. Finally the surface should be washed with clean water to remove all dust and loose particles.

Mixing

ConSeal CR is supplied in plastic bags and should be mixed on site utilizing clean container,

fresh water and a mixture machine with suitable paddle.

Power Mixing: Take fresh water and pour it into a suitable clean mixing vessel. Gradually start addition of powder under constant mixing with electrically operated machine paddle in a slow speed. Let the mix stand for 4-5 minutes to achieve a homogeneous and free flowing slurry.

Hand Mixing: For small batches, add the powder to fresh water whilst stirring with a trowel or paddle.

Consistency

The material should be mixed to a thick, creamy, lump-free consistency that will just support the weight of the stiff brush. Mixed material must be used within 45-60 minutes at 20°C. Do not re-temper the mix.

APPLICATION

Always apply to a pre-dampened surface using a stiff-fibred brush. High suction substrates will require more dampening than dense substrates.

1st Coat: Apply a first coat of **ConSeal CR** at a minimum rate of 1 kg./- m² over pre-moist/water soaked surface. This coat should be brushed well into the surface. Allow at least 4-5 hours to dry before applying the second coat.

Second Coat: Moist the 1st applied coat and apply the second coat over wet surface at a minimum rate of 1kg/m².

CURING

Water curing is must. **ConSeal CR** dries rapidly, therefore keep it moist by spraying fresh water over the whole coated surface for 4-5 days.

Do not use curing compounds. When coated in water tanks and reservoirs, keep them filled with fresh water for 5-7 days.

HANDLING & STORAGE:

ConSeal CR has a shelf life of 06 months if kept in a dry cool place in the original packing.

HEALTH & SAFETY PRECAUTIONS:

Where temperatures is less than 5⁰ C or greater than 40⁰ C are encountered, contact our Technical Staff. **ConSeal CR**, is of low hazard. Protective gloves, goggles and clothing should be worn. Any contact with eyes or skin should be washed off with soap and clean water. Where this occurs, seek medical advice before continuing use.

Important Note:

RADIANT Construction Technologies manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.

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