

# Expo CRC

## Crack Reduction Coat



### DESCRIPTION:

Expo Crack Reduction Coat (CRC) is a polymer modified cement coating designed for application over plaster base coat. Integrating woven 4 oz. fiberglass mesh into CRC prior to the finish application helps reduce the appearance of cracks. CRC may also be applied over structurally sound stucco finishes.

### COMPOSITION:

Expo CRC is a proprietary formulation containing portland cement, aggregates and modified with polymers. CRC is packaged in 50 lb bags. Shelf life is 6 months if protected from moisture.

### USES:

Expo CRC is an excellent choice for new or retrofit commercial, residential, or institutional projects. CRC may be applied over the following properly prepared substrates:

- One Coat Stucco Base (Brown) Coat
- Three Coat Stucco Base (Brown) Coat
- Masonry
- Stucco Finishes (unpainted)

### SURFACES THAT REQUIRE BONDING:

When applied over structurally sound existing finishes CRC eliminates the need for sandblasting. To ensure bond, apply Expo Perma-Crete adhesive to the surfaces listed below prior to application of Expo Crack Reduction Coat (CRC).

- Poured-in-place and/or tilt-up concrete (Bond breakers must be removed and smooth concrete must be etched)
- Stucco Finishes (painted)
- Acrylic Stucco Finishes (painted or unpainted)

### COVERAGE:

One 50 lb sack of Expo CRC will cover approximately 50 to 60 square feet over 4 oz. mesh depending on thickness of application.

### SURFACE PREPARATION:

New base coats should be properly cured prior to CRC application. Moisten high suction bases with a fine water spray to even suction.

Painted surfaces must have all loose paint removed prior to the application of Expo Perma-Crete bonder.

### MIXING:

Expo CRC should be mixed with approximately 1 to 1-1/2 gallons of clean potable water. Mix CRC for 5 minutes resulting in a homogenous consistency. Do not entrain air by over mixing. Allow the mixture to stand for 5 minutes, then stir again, re-tempering once only for workability.

**APPLICATION:**

Apply 1/8 " of CRC to the properly prepared substrate and immediately embed mesh in the CRC. Embed mesh into the wet CRC by troweling the mesh to a wrinkle free surface. Ensure that no mesh is visible through CRC, if necessary reapply enough CRC to cover mesh. Float the surface with a green sponge float to ensure an optimal mechanical bond for the finish plaster coat. Full adhesive bond strength is achieved in 1-4 days depending on humidity and temperature. Immediately clean all tools and mixing equipment with water after use.

**LIMITATIONS:**

Expo CRC should not be expected to eliminate larger cracks caused by significant external and reoccurring forces such as structural movement. CRC is most effective for controlling minor structural and shrinkage cracks in the base coat. CRC should not be used when ambient and surface temperatures are expected to fall below 40°F or when temperatures exceed 110°F during application and curing time.

**WARRANTY:**

Expo Stucco warrants that the ingredients used are as specified. If Expo fails to meet the material standard specifications as detailed, the manufacturer will provide replacement material or a full refund of the purchase price. Due to the large number of variables in the application of the product that are not under the manufacturer's control the manufacturer assumes no liability for the appearance, satisfaction or quality of the finished job other than for defects in the material. The manufacturer has no responsibility for the application of original or for any replacement material.

**SAFETY:**

CRC contains portland cement and is alkaline when mixed with water. May be irritating to eyes and skin. Wear appropriate dust, skin and eye protection. In case of eye contact, flush with water and consult a physician. Wash hands with soap and water after use. Keep out of reach of children.

**MATERIAL STANDARDS:**

Hydrated Lime: Federal Specification SS-L-351B, Type F and Type M, A.S.T.M. Designations C206-84 (Type S) and C207-79 (Type S), U.B.C. Standard No. 24-18-82.

Portland cement: Type 1 A.S.T.M. Designation C150-56, Federal Specification SS-C-192B.

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