

Excel-Crete Clear Additive

Data Sheet

Clear Additive for Excel-Crete (Gray)

COMPOSITION:

Excel-Crete Clear Additive is a single-component, acrylic polymer additive for use with the Excel-Crete powder.

BASIC USE:

Excel-Crete Clear Additive is mixed with the Excel-Crete gray powder to provide a polymer modified cement. The mixed cement product is used for the Excel-Coat Fire System underlayment and for fill and sloping as needed prior to applying the Excel-Coat deck coatings.

LIMITATIONS:

- Not for areas intended for vehicular traffic.
- Do not apply in constantly submerged conditions such as reflecting ponds or tank linings.
- Do not apply at thicknesses ½ inch or greater over plywood without including metal lath reinforcement.
- Do not apply at thicknesses greater than 1" lifts per application.

GRADE:

The Excel-Crete Clear Additive is a liquid component that is added to the Excel-Crete powder. Upon mixing of the two components the material may be trowel applied to a thickness of up to 1 - inch per application. Metal lath reinforcement is always recommended over plywood substrates for build of 1/2 inch or more.

PACKAGING:

The Excel-Crete Clear Additive is available in 1 and 5 gallon containers (U.S. gallon measures).

SHELF LIFE:

Twelve months from shipping date stored below 80°. Do not allow product to freeze.

COLORS:

Excel-Crete Clear Additive is a milky white liquid that is mixed with gray Excel-Crete to form a gray cementitious material.

JOB CONDITIONS:

Before any work is started, the applicator shall thoroughly examine all surfaces for any deficiencies. Should any deficiencies exist, the Architect, Owner or General Contractor shall be notified in writing and any corrections necessary shall be made.

Cold or inclement weather will affect the cure time of all Excel-Crete products. Do not install over wet substrate, in the rain or, if the threat of rain exists within 24 hours.

INSTALLATION:

Preparation of Concrete:

1. Curing of concrete shall be by means of water cure or dissipating compounds. Curing compounds shall be approved by an authorized representative of Excellent Coatings International.

2. Concrete shall be cured a minimum of 28 days prior to installation of the Excel-Crete and Clear Additive unless approved by an authorized representative of Excellent Coatings International.
3. Concrete finish shall be a power metal float followed by a light steel trowel and fine hair broom finish, or equivalent.
4. Concrete surfaces shall be free of excessive roughness, voids, protrusions or exposed aggregate.
5. All tooled joints and control joints shall be caulked with a sealant approved by Excellent Coatings International. Moving structural cracks shall be treated with an epoxy crack repair material.
6. Concrete surfaces shall be cleaned and primed with Excel-Coat Primer prior to applying the mixed Excel-Crete and Clear Additive.
7. All decks shall be properly sloped to freely drain and eliminate the ponding of water. All expansion joints shall be treated as specified in the drawings and in strict accordance with Excellent Coatings International's written instructions. Excellent Coatings International shall be consulted for specific design requirements.

Preparation of Plywood:

Metal lath reinforcement is required for the Excel-Coat Fire System and recommend for sloping or fill over plywood for thicknesses greater than 1/4 inch in thickness. The entire deck surface should be covered with the 2.5 or 3.4 galvanized metal lath. Lath shall be installed over horizontal edge of all metal flashing. All seams in the lath shall be tight, with no gaps or overlap.

1. Pull sheets of metal lath off the bundle in the same direction and lay side by side.
2. Seams in the metal lath must be a minimum of 3" away from a parallel joint in the plywood.
3. Using a few galvanized roofing nails, fasten the lath in place to prevent the metal lath from moving while stapling.
4. Using a 16 gauge, minimum 1" crown and minimum 5/8" leg galvanized staple, begin to staple in the middle of the sheet and work toward the edges.
5. Staple in a checker pattern using approximately 20-25 staples per square foot.
6. Adjust next sheet and repeat process.
7. After all sheets have been fastened, staple all seams at a rate of one staple per linear inch. Use galvanized roofing nails in any areas where the staple gun will not reach or hold lath back ½ inch from angles and edges to ensure all outside edges may be securely anchored.

Note: Do not use staples longer than the thickness of the plywood substrate. Thickness of substrate may require change in length of staple leg (ex. thicker plywood means a longer staple leg).

Excel-Crete & Clear Additive:

Mixing:

Excellent Coatings International

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1. With a drill motor and mixing attachment, mix 1 bag of Excel-Crete (half bag at a time) with 1 gallon of Excel-Crete Additive. Always add powder to liquid.
2. Continue mixing until both parts are thoroughly combined and a uniform consistency is achieved (approximately 2 minutes).
3. You may add up to 1/2 gallon of additional Clear Additive to facilitate ease of trowel applications. To prevent aerating the mixture, do not take the mixing attachment out of the material until the blade has completely stopped.

Note: Always put Clear Additive liquid into bucket first adding powder to liquid.

Note: For fill over concrete greater than ½ inch, add Excel-Coat Fibers to increase strength, integrity and reduce shrinkage cracks. Add 1 bag of fibers per 1 bag of Excel-Crete.

Application:

1. Starting at the perimeter of the deck, apply Excel-Crete and Clear Additive over the metal lath with a steel-finishing trowel.
2. Apply uniformly at minimum 1/4" thickness and a maximum of 1 inch per lift. One bag of Excel-Crete and 1 gallon of Clear Additive should cover approximately 20-25 square feet at ¼ inch thickness.
3. Do not squeegee or float Excel-Crete material. Use a trowel only.
4. All material to cure approximately 24 hours. Dry times may vary.

Note: Do not extend Excel-Crete material into the mouth of drains. Excel-Crete shall slope gradually to the edge of the drain. Leave enough exposed metal to allow the Excel-Coat membrane to bond to the metal.

Hint: If trowel marks appear, sprinkle a little Excel-Crete Additive with a brush over the area, rinse off trowel, then smooth the area.

Water Test:

1. Once the Excel-Crete mixed with Clear Additive have been applied to a deck surface, check to ensure water slopes to drain. Any additional fill or sloping that is necessary shall be done before the application of the membrane, texture and top coats have been applied.
2. Additional fill or sloping may be achieved using the Excel-Crete and Clear Additive polymer modified cement.

STORAGE AND HANDLING:

Store Excel-Crete Clear Additive in a cool, dry area and protect from freezing. It will be necessary to stir Excel-Crete Clear Additive before using. Partial containers can be resealed. Should a top skin develop on the remaining contents of a container, the physical properties and effectiveness of the contents will not be impaired. Clean mixing and application tools with water. Dispose of empty containers properly according to current Local, State and Federal regulations.

HEALTH AND HAZARD INFORMATION:

Use the product with adequate ventilation and personal protection. Users must read container label and Safety Data Sheet (SDS) for specific health and safety precautions prior to use.

AVAILABILITY:

Immediately available from Excellent Coatings International and authorized distributors.

COST:

Cost data is available from your local Excellent Coatings International authorized representative. For the name and number of the nearest local representative, call Excellent Coatings International at (800) 473-3817.

MAINTENANCE:

Cleaning can be accomplished by scrubbing with normal detergent soap and water. Heavy stains may require TSP solution and brushing with a stiff broom. Excel-Coat Maintenance Cleaner is also an effective cleaning material and may be used in conjunction with power washing. Follow product instructions.

GUARANTEE / WARRANTY:

Excellent Coatings International warrants Excel-Crete products to be free of defects and manufactured to meet published physical properties for a period of one year following the date of shipment, provided that the product has been applied according to the manufacturer's instructions. Under this warranty, Excellent Coatings International will provide, at no charge, product in containers to replace any product proved to be defective in applications recommended by us as suitable for this product. All claims concerning the products' defects must be made within twelve months of shipment and within thirty days of discovery. Absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty is IN LIEU OF any and all other warranties, expressed or implied, including, but not limited to, any implied warranty of MERCHANTABILITY of fitness for a specific purpose.

TECHNICAL SERVICE:

Authorized local representatives are available to provide design assistance and on-site instruction for our products. Excellent Coatings International provides assistance in design and development of special applications and partial inspection. Part-time and full-time inspection and instruction are available on a fee basis upon arrangement. Technical data is available upon request.

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