

Excel-Coat #1

Data Sheet

Acrylic Component of Excel-Coat Waterproof Material

COMPOSITION:

Excel-Coat #1 is a water-based single component acrylic polymer.

BASIC USE:

Excel-Coat #1 is specifically designed to be combined with the Excel-Coat fiberglass to provide a reinforced monolithic waterproof membrane.

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 over non-structural lightweight concrete without prior written approval.

GRADE:

The Excel-Coat #1 is laminated to the non-woven fiberglass mat to provide a seamless membrane having superior strength and durability. It is an integral part of the waterproof deck coating systems, Excel-Coat Pedestrian Traffic Membrane and the Excel-Coat Fire System.

PACKAGING:

The Excel-Coat #1 Finish Coat is available in 1 and 5 gallon containers (U.S. gallon measures).

SHELF LIFE:

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

COLORS:

Excel-Coat #1 is available in a standard color of pale yellow. Custom color matching is available upon request at an additional charge. Minimum quantities and guaranteed overages may apply.

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 effect the cure time of all Excel-Coat products. Do not install over wet substrate, in the rain or if the threat of rain exists within 24 hours.

INSTALLATION:

Refer to specific system *Application Guide* for complete instructions of the system that is to be installed, i.e. Excel-Coat Pedestrian Traffic Membrane or Excel-Coat Fire System.

PREPARATION OF PLYWOOD (Pedestrian System Applications):

1. With Excel-Coat Patching Compound, patch all joints, knotholes, cracks and other imperfections in the

plywood as well as deck to metal seams of the flashing. Do not build up Patching Compound greater than 1/8". In areas requiring sloping or fill greater than 1/8" use Excel-Crete. If building up a thickness greater than 1/2", it is recommended to reinforce Excel-Crete with 2.5 galvanized, expanded metal lath.

2. Excel-Coat hides only small imperfections, so care must be taken to assure the surface is completely clean, from all dirt, oil, grease, old coatings, and debris
3. Should you decide to run the fiberglass up the vertical flashing or down the fascia, use a separate 4"-6" strip of fiberglass for the 90° turn. A strip of fiberglass is easier to work with and will mold/adhere better to the wall to deck interface. When this strip is cured, lay out the horizontal fiberglass and laminate as usual.
4. A bead of caulk can be used at the wall to deck interface to soften the angle.

PREPARATION OF EXCEL-CRETE (Fire System Applications):

1. With a grinder, level out any imperfections or trowel marks in the Excel-Crete surface.
2. Patch any minor imperfections with Excel-Coat Patching Compound.
3. Patching Compound hides only small imperfections, so care must be taken to assure the surface is completely clean, free from all dirt, oil, grease, old coatings, and debris.
4. Should you decide to run the fiberglass up the vertical flashing or down the fascia, use a separate 4"-6" strip of fiberglass for the 90° turn. A strip of fiberglass is easier to work with and will mold/adhere better to the wall-to-deck interface. When this strip is cured, lay out the horizontal fiberglass and laminate as usual.
5. A bead of caulk can be used at the wall-to-deck interface to soften the angle.

APPLICATION:

To ensure proper adhesion, surface must be dust free and clean of debris, wax, dirt and oil.

1. Cover deck surface with 0.75 ounce fiberglass mat.
2. Butt the edges of the fiberglass together. Do not overlap fiberglass.
3. Fiberglass should cover the edge of the flashing, terminating 1/2" from outside edge. If necessary, fiberglass may be turned up the metal flashing or down the fascia edge for extra protection.
4. With a 4" brush, generously apply material around the perimeter of the deck. It is essential that the material cover all the flashing at the walls and doorjamb.
5. Saturate the fiberglass mat with Excel-Coat #1.
6. Fiberglass should be laminated into the mouths of all drains. Cut an X into wet fiberglass at drain mouth; let fiberglass fall into drain.

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Note: Do not cut in entire deck edge at one time. For best results, cut in 5'-6' lengths at a time, making sure that you roll out the center immediately, always going wet into wet. This process will eliminate wrinkles in the fiberglass as you apply the Excel-Coat #1.

7. With a ¾" nap roller, apply Excel-Coat #1 at a rate of 50 square feet per gallon.
8. Laminate center of section by pouring approximately ½ gallon of Excel-Coat #1 on top of fiberglass.
9. Using moderate pressure, work puddle of Excel-Coat #1 into fiberglass mat, until thoroughly saturated. Excel-Coat #1 must penetrate through mat and into substrate.
10. Roll puddle towards you.
11. Before moving to the next section of the deck, go over the wet laminated area with a metal fiberglass roller to smooth out fibers, roll down bubbles and wrinkles, and bring a little resin to top of glass for pinhole free membrane.
12. Allow material to dry approximately 6-8 hours. Dry times may vary.

Hint: Be conscious of the amount of material you are using. Excel-Coat #1 is a low viscosity material, and it will have a tendency to run. Be generous with this material, and be sure to apply enough pressure on the roller to force the material through the fiberglass mat. However, be careful not to over roll. Continually rolling back and forth will cause the fiberglass mat to stretch and break apart.

Tips & Tricks:

Do Not Dry Roll:

Dry rolling is dipping roller into pail and rolling out instead of pouring material onto deck. Resin will not penetrate fiberglass or bond to surface of deck. Dry rolling causes pinholes and air bubbles.

Bubbles:

While wet, if there is foreign matter under fiberglass causing a bubble, cut fiberglass open and remove it. Brush or roll the strands back down.

Wrinkles:

While wet, wrinkles can be repaired by using a utility knife and cutting directly across the top of the wrinkle, and then brushing or rolling area back down.

These repairs should be done with the metal fiberglass roller.

DECK DRAINS & SCUPPERS:

Apply the entire Excel-Coat System around and into drain or scupper. Apply the system into drain or scupper at least ½"

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:

beyond joint. For proper drainage, drain, scupper, and grate should be lower than deck surface.

Do not use plastic drains or scuppers.

DETAILING FIBERGLASS:

After fiberglass mat has been laminated and allowed to dry, surface must be detailed before proceeding with texture application. Use Excel-Coat Patching Compound to patch seams, feather down edges of fiberglass and correct any other defects on laminated surface.

1. **Hollow Spots and Bubbles:** Suspect areas will usually have a large number of pinholes in the area of the bubble. Coating may even appear to be raised.
2. **Small Bubbles:** Bubbles no larger than a half a dollar can be cut out, patched and feathered out with two thin coats of Excel-Coat Patching Compound.
3. **Large Bubbles:** Large un-bonded areas should be completely removed and re-fiberglassed.
 - a. Lay a piece of fiberglass mat over area to be removed. The piece should be a little larger than what is being removed.
 - b. Double cut through both pieces of fiberglass mat.
 - c. Replace bad piece with new piece of fiberglass mat. It should fit perfectly.
 - d. Laminate patched in piece of fiberglass with paintbrush. Let dry.
 - e. Patch and feather repair with Excel-Coat Patching Compound.
4. **Wrinkles:** After Excel-Coat #1 and fiberglass membrane has dried, wrinkles can be repaired by shaving down top of wrinkle until it is flush with deck's surface. This can be achieved by using a 4" wide razor scraper. Fill in and feather with two thin coats of Excel-Coat Patching Compound.
5. **Patching Seams:** Fill gap between the two pieces of fiberglass by applying two thin coats of Excel-Coat Patching Compound with a bondo spreader. Squeegee each coat on. Avoid creating a hump over seams.
6. **Edges:** On decks with flashing on the outer edges, fiberglass should stop 3/8 – 1/2" back from outside edges. Feather all edges of fiberglass to edge of deck with Excel-Coat Patching Compound.

Note: Avoid application of Excel-Coat #1 and fiberglass when deck surface is hot and/or under direct intense sunlight.

STORAGE AND HANDLING:

Store Excel-Coat #1 in a cool, dry area and protect from freezing. It will be necessary to stir Excel-Coat #1 before using. Containers should be separated according to batch numbers to ensure color uniformity. When changing from one batch to another, blend one container from each batch together to ensure a smooth transition. 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.

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.

GUARANTEE / WARRANTY:

Excellent Coatings International warrants Excel-Coat #1 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 product's 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 inspections. Part-time and full-time inspection and instruction are available on a fee basis upon arrangement. Technical data is available upon request.