

# Excel-Coat K/D II

## Application Guide

### Tape & Trowel

#### MATERIALS & TOOLS

##### MATERIALS

- Excel-Coat Primer
- Excel-Coat Patching Compound
- Excel-Crete K/D
- Excel-Crete Tinted Additive
- Excel-Crete Retarder
- Excel-Coat Release Agent (option)
- Excel-Coat Antiquing Powders (option)
- Excel-Coat Glaze or Clear Top Coat
- Excel-Coat Grout Tape
- Epoxy Crack Repair Material
- Urethane Sealant

##### TOOLS

- Hammer
- Razor Knife
- Wallboard Scraper
- Roller Frame
- Roller Sleeves
- 4" Paint Brush
- Drill Motor
- Drill Mixing Attachment
- Trowels
- Honing Stone
- Hudson Sprayer
- Caulking Gun
- Caulking Knife
- Trowels

#### DECK PREPARATION

##### CONCRETE

1. Concrete shall be cured a minimum of 28 days prior to installation of the Excel-Coat K/D System.
2. Curing shall be by means of water cure or dissipating compounds. Curing compounds shall be approved by an authorized representative of Excellent Coatings International.
3. Concrete moisture content shall not exceed 10%. Moisture Vapor Transmission shall not exceed 5 lbs. per 1,000 square feet per 24 hours.
4. Check surface for excessive roughness, voids, protrusions or exposed aggregate and treat appropriately.
5. All tooled and control joints shall be caulked with a urethane sealant. Moving structural cracks shall be routed, primed and treated with an epoxy crack repair material.

Do not apply K/D II finish products so that they span expansion joints.

6. Concrete surfaces shall be clean and free from dirt, grease, paint or coating.
7. Concrete finish shall be power metal float followed by a light steel trowel and medium hair broom finish or equivalent.

**Note:** Do not apply over non-structural lightweight concrete without prior written approval.

#### APPLICATION

##### PLYWOOD

1. Plywood surfaces shall meet criteria set forth for the Excel-Coat Fire System. The lath, Crete, and membrane must be installed prior to applying the grout coat. No primer is needed for applying over the Excel-Coat membrane.

##### PRIMER COAT (Required for Concrete)

1. Primer shall cover the entire surface that is to be coated.
2. Apply Excel-Coat primer at a rate of 350 square feet per gallon.
3. When primer becomes tacky, start the slurry coat application process.
4. Primer coat is not necessary over Excel-Coat membrane. K/D II materials may be applied directly over Excel-Coat Pedestrian Traffic membrane over concrete or as a finish to the Fire System. Membrane surface shall be clean and dry.

##### SLURRY COAT (Grout Coat)

##### MIXING:

1. Mix 1 ½ - 2 gallons Excel-Crete Tinted Additive with 1 50 lb. bag of Excel-Crete K/D to yield approximately 100 square feet for a nominal 1/16 inch trowel coat. With a drill motor and mixing attachment, blend the two components until an even consistency is achieved (approximately 3-4 minutes).
2. To ensure color consistency throughout the project it is recommended that the Excel-Crete and Excel-Crete Tinted Additive be measured in at 2:1 ratio by volume, i.e., measure 2 gallons of Excel-Crete K/D to mix with 1 gallon of Excel-Crete Tinted Additive. Apply a thin coat to primed substrate. Allow to cure 6-8 hours.

**Note:** For warm weather applications use the Excel-Crete Retarder to slow down the curing process of the Excel-Crete K/D slurry coat.

Refer to the "Product Data" section for the Excel-Crete Retarder Data Sheet.

#### APPLICATION:

1. Apply evenly with a trowel to achieve a smooth surface. Coverage should be approximately 300 square feet per 2 bags mixed with 3-4 gallons Tinted Additive.
2. Allow material to dry approximately 2-6 hours. Dry times may vary.

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#### TEXTURE COAT

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#### TAPING PATTERN:

1. With tape and paper, mask off walls, railings, sliding doors, etc.
2. Apply stencil or tape pattern using grout tape. Leave 2-4 inches of tape/stencil exposed that it may be easy to locate and pull.
3. Ensure stencil/tape is well adhered using a wallpaper roller or linoleum roller.
4. Seal tape with a brush coat to cover edges of tape using Excel-Coat MERT Clear. Allow to dry 30-45 minutes.

#### MIXING:

1. With a drill motor and a mixing attachment, mix 1 bag of Excel-Crete K/D (half bag at a time) with 1½- 2 gallons of Excel-Crete Tinted Additive.
2. Continue mixing until both parts are thoroughly combined and a uniform consistency is achieved (approximately 3-4 minutes).

**Note:** The Excel-Crete Retarder may be added to slow down the cure of Excel-Crete and provides additional time for workability of material. Refer to Excel-Crete Product Data for mixing instructions.

#### TROWELLED PATTERN COAT:

1. Starting with the perimeter of the deck, apply Excel-Crete K/D texture at a rate of 75-100 square feet per 1 bag batch. Apply with a trowel to achieve the desired finish texture.
2. Allow 24 hours to dry. Dry times may vary.
3. Remove pattern template/tape once texture coat has completely dried.
4. Using a honing stone smooth any rough edges or protrusion.

**Note:** If Antiquing or Highlighting the trowelled pattern, complete the application before pulling tape/stencil. (See Options to follow.)

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#### ANTIQUING & HIGHLIGHTING (Options)

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#### ANTIQUING OPTION:

To incorporate an antique finish, mix 2-4 ounces of selected Antiquing Powder per 1 gallon of the clear Release Agent. Using a pump sprayer, apply the tinted Release Agent over dry textured area and allow antiquing liquid to penetrate and dry before applying other colors. Coverage is approximately 200 square feet per gallon. To add depth to the appearance,

allow antiquing liquid to puddle in the low areas of the texture. It is important to achieve a uniform antique look over the entire surface since how it looks wet will be how it looks once sealed. To lighten and modify the antiquing or remove it completely, use Simple Green or a similar water-based detergent and a stiff brush to clean. Allow individual applications to dry before applying a new color, a second color and the final seal coats.

#### HIGHLIGHTING OPTION:

Excel-Crete Tinted Additive may be applied with a rag, sponge, or brush for highlighting. Allow application(s) to dry (8 hours) before applying a new color or starting a second application of the same color.

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#### GROUTING PATTERNS (Optional)

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After the system has been sealed with one coat of Clear Top Coat you may grout the pattern. Mix Excel-Crete K/D (White) with the Antiquing Powder of your choice and clean water to form a paste. Apply paste to grout line using a flexible squeegee. Wash away excess using a tile sponge. Continue to sponge clean with fresh water until the stone pattern is clean and free of residue. Allow to dry. Roll second coat of Excel-Coat Clear Top Coat over grouted system.

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#### SEALER

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#### PREPARATION:

1. With a wallboard scraper, lightly scrape off any irregularities in the texture.
2. Use a blower to clean the deck surface of any dirt or debris.

#### APPLICATION:

1. With a 4" brush, apply Excel-Coat Glaze or Excel-Coat Clear Top Coat around the perimeter of the deck and drains. The material should cover all flashing at the walls, doorjamb and fascia edges.
2. Apply two thin coats of Excel-Coat Glaze or Excel-Coat Clear Top Coat by roller or airless sprayer at the rate of 250 square feet per gallon per coat, for a net yield of 125 square feet per gallon total coverage.
3. Allow 4 hours to dry before applying the second coat.
4. Allow completed system to cure 24 hours before heavy foot traffic is permitted and an additional 72 hours before heavy objects are placed on the surface.

**Note:** Cold or inclement weather will effect the cure time of all Excel-Coat K/D II System products. Do not install over wet substrate, in the rain or if the threat of rain exists within 24 hours.

**Note:** To insure uniformity of color, drill-mix Excel-Crete Tinted Additive before use. Always measure and maintain mix ratio of Excel-Crete Powder to Tinted Additive.