

Excel-Coat K/D II

Application Guide

Stamping

MATERIALS & TOOLS

MATERIALS

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

TOOLS

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

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. Poorly finished concrete will telegraph through the Excel-Coat K/D II finish.
5. All tooled and control joints shall be caulked with a urethane sealant. Moving structural cracks shall be

routed, primed and filled with an epoxy crack repair material. Do not apply K/D II finish products so that they span over 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 Excel-Crete stamping application process.
4. Prime 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.

STAMPING

MIXING:

1. With a drill motor and a mixing attachment, mix 1 bag of Excel-Crete K/D (half bag at a time) with 1 1/4 - 2 gallons of Excel-Crete Tinted Additive, 1 packet of Excel-Coat Fibers and 1 packet of Excel-Crete Retarder. Always measure and remain consistent with mixing ratios of Excel-Crete and Tinted Additive to ensure color consistency.
2. Continue mixing until both parts are thoroughly combined and a uniform consistency is achieved (approximately 3-4 minutes).

MORTAR BED:

1. Using a straightedge, measure across the surface of the thin overlay stamp to define the thickest part of the

pattern. This will determine the required thickness of the Excel-Crete to assure a well-defined pattern. Based on the depth of the stamp, you will need to trowel a nominal 1/4 inch thick Excel-Crete mortar bed.

2. Starting corner of the deck and working at a 45 degree angle, trowel apply Excel-Crete mortar bed at a rate of 25 square feet (1/4 inch thick). Apply sections at a time so that upon application the skin application may follow.

APPLICATION OF STAMPS:

1. Lightly spray textured side of the stamps with clear liquid Release Agent each time before using. Coverage rate for the Release Agent is approximately 200-300 square feet per gallon when applied to the textured side of stamp.
2. Immediately place the stamp over the treated Crete section. Use the handles on the stamp to carefully set it in place. Press down using hands or stamp press. A stamp pounder or linoleum roller may be used to help achieve the desired impression.
3. After achieving the desired impression, lift each stamp straight up off the surface and move to the next area and repeat process until finished.
4. Allow material to cure. Cure times may vary depending upon temperature and humidity.

Important Note:

Never allow material to dry on stamps as dry particulate may affect your design. Additionally, material allowed to be left on the stamps will cause them to deteriorate. Thoroughly clean stamps when not in use.

ANTIQUING & HIGHLIGHTING (Options)

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.

GROUTING PATTERN (Optional)

After system has been sealed with one coat of Excel-Coat Clear Top Coat, you may grout the pattern. Mix Excel-Crete K/D (White) with 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.

SEALER

PREPARATION:

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

APPLICATION:

1. Surface shall be dry prior to applying clear sealer. 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 a 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 Tinted Additive before use. Always measure and maintain mix ratio of Excel-Crete Powder to Tinted Additive.