



### ENDURO-UT Under Tile Deck System

#### 1. Description:

**EP ENDURO-UT** is a waterproof reinforced deck system installed with a series of cementitious polymer enhanced coatings. It is a fast drying, flexible yet durable system that is environmentally safe.

#### 2. Uses:

EP ENDURO-UT is used on elevated concrete or exterior grade plywood substrates (i.e. decks, walkways, or stairs) as a waterproof membrane that tile can be thin-set directly on to.

#### 3. Surface Preparation:

**3.1 Concrete:** All concrete surfaces to receive EP ENDURO-UT should be of sound structural grade. Concrete must have a  $\frac{1}{4}$  slope per linear foot. All concrete surfaces must be clean and free of all foreign matter such as dirt, dust, oil, mildew or other contaminants. Concrete should be dry with a steel troweled, fine broom finish. Allow concrete to cure a minimum 28 days.

**3.2 Plywood:** All plywood surfaces should be selected and installed in accordance with the requirements of the applicable building code. Plywood must have a  $\frac{1}{4}$  slope per linear foot. Plywood shall be a minimum  $\frac{5}{8}$  inches thick exterior grade. All plywood joints must be tightly blocked or tongue and grooved.

**3.2 Sheet Metal:** Sheet metal must be a minimum 26-gauge bonderized galvanized sheet metal with joints and seams caulked.

#### 4. Mixing:

Mix EFC-UL98 Cementitious Powder (28-lb. bag) with EFC-UL94 Acrylic Polymer (2-gallon pail). Kit will yield 110 square feet at 60 mils. EKC Cementitious Mix (46-lb. bag) with EKL Acrylic Polymer (one-gallon). Kit will yield 45 square feet at  $\frac{1}{8}$  inches thick and 100 square feet at 60 mils

#### 5. Packaging:

EP ENDURO-UT components are available as follows: EFC-UL98 Cementitious Powder in a 28-lb. bag; EFC-UL94 Acrylic Polymer in a 2-gallon pail; EKC Cementitious Mix in a 46-lb. bag; EKL Acrylic Polymer in a 5-gallon pail; Fiberglass Reinforcement ASTM-D 1668; Type 111, organic resin treatment; and 2.5 lb. galvanized metal lath in 2' x 9' sheet.

#### 6. Application:

**6.1 Concrete:** On concrete apply 60 mils ( $\frac{1}{16}$ " ) of the EFC-UL98 / EFC-UL94 mixture. Embedding with fiberglass reinforcement tape is optional. Once dry, apply 60 mils ( $\frac{1}{16}$ " ) of the EKC / EKL mixture over the entire first coat area. Finish with a damp sponge (not too wet) to smooth out trowel marks. Drying time depends on temperatures and humidity.

**6.2 Plywood:** On plywood install 2.5 lb. galvanized metal lath. With the lath in place, start in the center working out, stapling the lath using 24 staples per square foot (minimum  $\frac{7}{8}$ " crown x  $\frac{5}{8}$ " long, 16 gauge, corrosion-resistant staples). Abut metal lath seams and staple  $\frac{1}{2}$ " on center. Apply  $\frac{1}{8}$ " of the EKC / EKL mixture over the entire area using the metal lath as a screed. Once dry, apply 60 mils ( $\frac{1}{16}$ " ) of EFC-UL98 / EFC-UL94 mixture. Embedding with fiberglass reinforcement tape is optional. Once dry, apply 60 mils ( $\frac{1}{16}$ " ) of the EKC / EKL mixture over the entire second coat area. Finish with a damp sponge (not too wet) to smooth out trowel marks. Drying time depends on temperatures and humidity.

#### 7. Flood Test:

Perform flood test with a minimum one inch of water for 24 hours. Drains should be plugged and barriers placed to contain the water. The applicator and the General Contractor must sign



a successful flood test document and submit it to the manufacturer.

**8. Limitations:**

Avoid application prior to or during moist or inclement weather. Normal application shall be limited to a temperature range of 50 to 95 degrees Fahrenheit. Plastic drains are to be avoided. Do not allow any of the Enduro Products to freeze.

**9. Cleaning Instructions:**

Uncured material can be removed with soap and water. If cured, material can only be removed mechanically. Clean up tools and equipment with soap and water after use.

**10. Safety Health and Environmental Recommendations:**

Provide proper ventilation. Avoid coating contact with skin and eyes. Use protective goggles and clothing. In case of eye contact, flood eyes with water and call a physician immediately. Wash hands thoroughly with soap and water after

handling. Do not take internally. If ingested, call a physician immediately. Read the Material and Safety Data Sheet for EP ENDURO-UT prior to handling or application as supplied by Enduro Products in California: (714) 526-5898, Fax (714) 526-6511; in Florida: (941) 378-9794, Fax (941) 378-9438; email: info@endurokote.com.

**11. Warranty:**

Enduro Products warrants its EP ENDURO-UT to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Enduro Products makes no other warranty, expressed or implied, including warranties of merchantability and fitness for a particular purpose with respect for Enduro Products. Enduro Products' sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of EP ENDURO-KOTE EKS Pedestrian Deck Coating proven to be defective and Enduro Products shall not be liable for any loss or damage.

