



ENDURO-FLEX Cement

1. Description:

EP ENDURO-FLEX Cement is a two component cementitious and acrylic emulsion flexible waterproof coating system. This system is designed to waterproof concrete and steel as a basecoat for the EP ENDURO-FLEXKOTE Waterproof Traffic Coating System and EP ENDURO U.T. Under Tile Waterproofing System.

2. Uses:

The EP ENDURO-FLEX Cement will isolate and bridge small cracks, withstand light traffic, not be affected by salt water exposure, and repel mildew growth. This system as a basecoat may be applied on roofs, balconies, decks, flashings, and parking structures. It may be applied below grade on foundations and slabs. It may also be used under bathroom tiles or utilized in ponds, pools fountains and water features.

3. Surface Preparation:

All substrates to receive EP ENDURO-FLEX Cement must be clean, dry, and free of all foreign matter such as dirt, dust, oil mildew or other contaminants.

3.1 Concrete: All concrete surfaces to receive EP ENDURO-FLEX Cement should be of sound structural grade. For best results, apply mechanical abrasion by bead blast or mechanical grinding of the concrete surface. Remove any loose dust or dirt by vacuum cleaning. Test for porosity prior to coating application. Concrete should be completely dry to promote optimum adhesion. Consult Enduro Products regarding methods for checking moisture content of concrete. All concrete surfaces must be clean, dry, and free of all foreign matter such as dirt, dust, oil mildew or other contaminants. Repair cracks and holes in the surface to be coated with EP ENDURO-KOTE or EP ENDURO-CRETE Cement.

3.2 Steel: All steel surfaces shall be roughened

sufficiently by sanding or grinding to assure proper bonding, which may be attained by sanding or grinding.

4. Mixing:

Mix EP ENDURO-FLEX Cement (EFC 28-lb. bag) with EP-ENDURO-FLEX Emulsion (EFL 2 gallons in a 5 gallon container) using power mixer to blend thoroughly to a homogeneous batter like consistency. Pot life per batch is approximately 45 minutes. Store in a cool dry area when not in use to extend pot life.

5. Packaging:

The EP ENDURO-FLEX Cement components are available as follows: EP ENDURO-FLEX (EFC) Cementitious Mix in a 28-lb. bag and EP-ENDURO-FLEX Emulsion 2 gallons packaged in a 5 gallon pail.

6. Application:

Trowel blended EP ENDURO-FLEX Cement over a properly prepared substrate. Apply mixture with a trowel or notched squeegee. Use a notched trowel followed by a flat trowel to build up the coating to 1/16" thickness.

7. Coverage:

1 kit of EP ENDURO-FLEX Cement should cover 100-110 square feet at 1/16" thick.

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 components 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-FLEX Cement prior to handling or application as supplied by Enduro Products in California: (714) 526-5898, Fax (714) 526-6511; in Florida: (305) 591-8309, Fax (305) 591-8565; email: info@endurokote.com.

11. Warranty:

Enduro Products warrants its EP ENDURO-FLEX Cement 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-FLEX Cement proven to be defective and Enduro Products shall not be liable for any loss or damage.

Performance Requirements

| TEST | REFERENCE | RESULTS |
|-------------------------------------|-----------|---|
| Bond Strength | ASTM C297 | Flatwise Tension to Concrete 115 PSI Flatwise Tension to metal 110 PSI |
| Controlled Rate Crack Bridging Test | | 748% |

