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## **Poly-Tuff Crete**

*Flexible Cementitious Coating for  
Decorative Concrete Restoration and  
Repair of Plywood and Concrete  
Surfaces*

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### **DESCRIPTION**

Poly-Tuff™ Crete is a super strength binding, flexible synthetic resin, modified cementitious, coating which forms decorative a cost effective, durable, anti-skid, weather and chemical resistant surface over properly prepared concrete substrates and Poly-Tuff Flexi-deck Systems. Poly-Tuff™ Crete It may be applied to asphalt or concrete driveways, steps, decks, buildings, bridges can be installed in a variety of patterns and finishes such as brick, tile or flagstone. Existing cracks are both covered by a Poly-Tuff™ elastomeric water-curable base coat and also may be disguised by incorporating them into a pattern. The Poly-Tuff Crete Systems may be installed in one or two days at about half the cost of replacing concrete, brick or tile.

### **FEATURES**

- ❖ Ultra-Violet Stable
- ❖ Labor Saving
- ❖ Compatible with Aged Asphalt
- ❖ Adhesion to most common construction metals
- ❖ Compatible with most coatings
- ❖ User Friendly
- ❖ Fast Tack Set
- ❖ Moisture Resistant
- ❖ Decorative
- ❖ Salt Spray and Chemical Resistant

### **TYPICAL USES**

- ❖ Balcony & Breezeways
- ❖ Pool Perimeters
- ❖ Sidewalks and Driveways
- ❖ Steps
- ❖ Aged Asphalt Surfaces
- ❖ Decorative Roofing
- ❖ Bridges
- ❖ Foundation Walls
- ❖ Buildings

### **COLOR**

White or Gray

### **PACKAGING**

Each 55 lb bag of Poly-Tuff Crete or Poly-Tuff Crete Top Coat as described under the Application Section will cover approximately 80-110 sq/ft (2 coats) or 45 sq/ft in 3 coats. Each gallon of Poly-Tuff Topshield EST will cover approximately 100 sq/ft per gallon, depending on surface texture and porosity. (See Topshield EST Instructions for use.)

### **JOINTS, CRACKS, AND FLASHING**

Inspect all flashings and approve all flashing installation prior to application of any coating. All flashings should be installed in accordance with related PSI Data Sheets. Apply Super Seal or Polyester Tape over all joints and cracks. Bridge the joints and cracks with minimum 4 inch Polyester Tape, pushing it into the sealant or E-Tuff™100 with a trowel. Over reinforcement tape apply a thin coat of E-Tuff™ 100 or B-Tuff™306 and smooth onto adjacent surface. Broadcast minimum 16-45 mesh silica sand at rate of 6-9 lbs per 100 sq. ft. over tacky base coat. See Flexi-deck™WD Data Sheet for Instructions of Base Coat and Sand Broadcast.

### **SURFACE PREPARATION**

Substrates must be structurally sound, free from grease, oil, paint, dirt dust, sealers, laitance, curing compounds and other foreign materials which may prevent proper adhesion of the coating. Cracks and imperfections must be repaired and proper expansion joints installed, cleaned and caulked.

### **APPLICATION**

Apply Poly-Tuff E-Tuff 100 Base Coat or B-Tuff 306 in accordance with the related PSI Data Sheet and sand broadcast. Allow to cure a minimum of 4 hours or dry to touch.

Poly-Tuff Crete and Poly-Tuff™ Crete Top Coat are furnished in 55 lb bags and field mixed with potable water in approximate amount of 1 ¾ to 2 gallons per bag, preferably with a special Poly-Tuff Crete Mixing Paddle. Mix 45-90 seconds with a minimum 800 rpm drill, vigorously to disperse all lumps to thoroughly wet all particles. After all dry material is added. Use margin trowel to clear vessels sides. Adjust to desired consistency by addition of dry material or small amount of water. For

best results let Poly-Tuff Crete or Poly-Tuff™ Top Coat Crete stand in the pail for 3-5 minutes, then add a small amount of water and re-break material. This will give additional pot-life.

Mixed Poly-Tuff™ Crete and Poly-Tuff™ Top Coat Crete are applied b roller, trowel, or squeegee in one coat plus a texture coat, or two or more coats plus texture coat, depending on surface conditions.

Apply coating with Hopper Gun and Trowel to achieve French Lace Texture Finish.

Apply Poly-Tuff Topshield™EST in one coat at a minimum rate of 100 sq ft/per gallon. Utilize Topshield Accelerator to fast cure topcoat for short down time.

#### **STORAGE**

Super Seal Tape has a shelf life of six (6) months from date of manufacture in original, factory sealed containers. Store products in dry area at 40<sup>0</sup>F-90<sup>0</sup>F.