

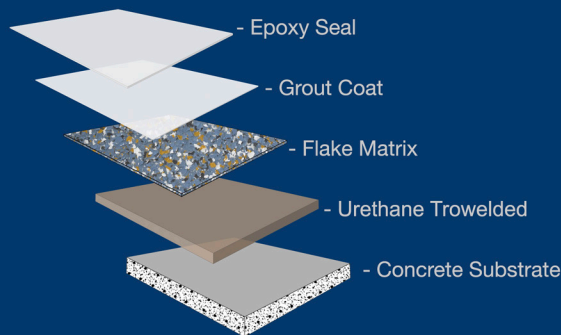


# U-TEK™ EP-F

Flake Flooring System

U-Tek™ Urethane Hybrid Flooring

- Utek™ EPF- Epoxy Flake 3/16"



## Life Science Products

124 Speer Road, Chestertown, MD 21620  
www.lspinc.com | 800-638-9874 | info@lspinc.com

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## U-TEK™ Combats Moisture Concerns When Flooring is Subject to Robust Wash Downs and Vigorous Cleaning Protocols



### U-TEK™ EP-F Flooring Features:

- Engineered to provide Superior Protection in High Moisture, Consistent Wash Down Areas
- Highly Chemical Resistant Epoxy Seal Coat
- Excellent Thermal Properties
- 100% Solids - Solvent Free
- Excellent Impact Resistance
- Skid Resistance
- Low or No VOCs
- High Taber Resistance
- LEED Compliant

## U-TEK™ EP-F Flooring System General Description:

U-TEK™ EP-F Flake flooring systems are developed to provide moisture tolerant flooring options while incorporating functional flooring resins for chemical resistance, skid resistance and thermal relief. It provides an excellent solution to problem areas subject to substrate moisture, thermal changes, consistent wash downs and puddling. LSP EP-F flooring is a hybrid system composed of urethane and epoxy resins, using flake broadcast for texture and color. The initial layer is a urethane cement which is not sensitive to moisture migration through the substrate at reasonable levels. The seal coat is a chemical resistant epoxy. Concrete substrates should be checked for moisture migration using the ASTM F 1869-98 calcium chloride test prior to installation. A cove base of 4" is standard unless otherwise specified.

## Details and Properties

**Color** - Resins are Clear. Floor color determined by flake broadcast

**Installed Thickness** - 3/16"

**Resin Storage Temperature** - 60° - 80° Fahrenheit

**Epoxy and Urethane Resins** - 100% Solids

**System Type** - Flake Broadcast

**Mix Ratio** - 2:1 (Resin to Hardener)

**Agitate Time** - 2 Minutes then scrape interior of mixing container and mix 1 more minute.

**Sub-Floor Moisture Vapor Transmission** - Not to exceed 2.9 Pounds of water per 24 hours per 1,000 sq.ft. as determined by test ASTM F-1869. (Calcium Chloride Test)

### Minimum Test Values Required:

ASTM C-579 Compressive Strength - 10,000 psi

ASTM C-307 Tensile Strength - 750 psi

ASTM C-580 Flexural Strength - 1,450 psi

ASTM D-635 Flammability - Self Extinguishing

## Chemical Resistance:

Acetic Acid, 10% - SS  
Acetone - SS  
Aluminum Chloride - E  
Ammonium Hydroxide, 28% - SS  
Calcium Chloride, 30% - E  
Calcium Hypochlorite 30% - E  
Chlorine (Wet or Dry) - SS  
Clorox Full Strength - SS  
Diethyl Phthalate - E  
Formaldehyde, 37% - SS  
Formic Acid, 10% - SS  
Gasoline - E  
Glycerin - E  
Hydrochloric Acid, 10% - E  
Hydrochloric Acid, 37% - G  
Hydrogen Peroxide, 6% - SS  
Isopropyl Alcohol - SS  
Lactic Acid, < 20% - E  
Mineral Spirits - E  
Nitric Acid, 10% - E  
Phosphoric Acid, 50% - E  
Potassium Hydroxide - E  
Sodium Hydroxide, 50% - E  
Sodium Hypochlorite, 15% - SS  
Sulfuric Acid, 10% - E  
Sulfuric Acid, 30% - E  
Trichloroethylene - G  
Trisodium Phosphate - E  
Urea - E  
Urine - E

**E = Excellent (Maintains Resistance up to 7 days)**  
**G = Good (Maintains Resistance up to 25 hours)**  
**SS = Splash & Spill Requiring Immediate Removal**

*(The above is a generic listing of chemical resistance and may not be accurate for all commercial solutions. LSP recommends testing all new chemicals before adding to cleaning protocols.)*

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