

**TD.471 – TECHNICAL DATA: E100-UV1™ Clear Epoxy**

Revised: 1.17.11

**Product Name:** E100-UV1™ Clear Epoxy – 100% Solids Epoxy

**Product Class:** A high-build or thin, clear epoxy floor coating for commercial and industrial traffic use.

**Description:** Elite Crete Systems product E100-UV1™ Clear Epoxy is a 100% solids, medium viscosity, water clear, non-shrink, two-component epoxy coating designed for a wide variety of applications. E100-UV1™ Clear Epoxy will not blush or water spot and has excellent physical and chemical resistant properties.

**Typical Uses:**

- Sealing and protecting concrete and polymer modified concrete overlays.
- Broadcast coating for industrial flooring.
- Binder for epoxy mortar.
- Clear protective top coat for color flake or quartz applications.
- On dry concrete surfaces and concrete overlays.
- Concrete surfaces for foot traffic and vehicular pneumatic tires.
- As a clear protective coating for interior flooring, polymer modified concrete overlays and industrial floors.
- As a clear finish for pigmented industrial coatings, garage floors, warehouses, medical facilities, etc.

**Key Features:**

- High-Gloss, Non-Blush Film
- Nearly No Odor
- 100% Solids (0% VOC)
- Non-Shrink Coating
- Self Leveling and Air Releasing
- Medium Viscosity
- Fast Cure Rate
- Excellent Strength Properties
- Excellent Impact Resistance
- Easy to Place
- Use Neat, Slurry, Broadcast or as Binder for Mortar
- USDA Acceptable
- Convenient 2 to 1 ratio by volume

**Product Properties:** (Material and curing conditions at 77°F (24° C) unless noted, 50% R.H.)

- Color – Clear
- Viscosity @ 77°F (24° C)
  - Part A 800 cps
  - Part B 200 cps
  - Mixed 600 cps
- Pot Life: 20 minutes
- Tack Free: 5 hours
- Foot Traffic: 8 hours
- All Traffic: 12 hours
- Consistency : Self-Leveling

Standard Cure

**PHYSICAL PROPERTIES**

(@77°F (24° C), 7 day ambient cure)

Compressive Strength	ASTM D 695	14,200 psi
Tensile Strength	ASTM D 638	6,800 psi
Elongation at break	ASTM D 638	8.2%
Flexural Strength	ASTM D 790	7,900 psi
Abrasion resistance CS-17 Wheel, 1 kg load	ASTM 4060	30 mg loss
Water Absorption (2 hour boil)	ASTM D 570	0.09%
Shore D hardness	ASTM D 2240	87 (7 days)
Heat Distortion Temperature	ASTM D 648	120°F
Volatile Organic Content		0.00 lbs. per gallon
Slant Shear	ASTM C 882	100% concrete failure

**CHEMICAL RESISTANCE  
 Splash & Spill Applications**

<b>Water (fresh and Salt)</b>	<b>Butanol</b>
<b>1%-50% Sodium Hydroxide</b>	<b>Xylene</b>
<b>1%-10% Sulfuric Acid</b>	<b>111 Trichloroethane</b>
<b>1%-10% HCL</b>	<b>Skydrol Fluids</b>

**Available Packaging:**

- 1 gal. kit
- 3 gal. kit
- 15 gal. kit
- 150 gal. kit

**Suggested Storage:**

- Store in a temperature and weather controlled area between 65° F and 85° F.
- Do not allow to freeze.
- Shelf Life - 1 year in original unopened containers.