



**WARREN**  
ENVIRONMENTAL

**601-EF**  
**EPOXY FLOORING**

**DESCRIPTION:** A two part, highly thixotropic, epoxy system formulated specifically for roller application or for trowel-on applications.

**CHARACTERISTICS:** Formulated with special additives and modifiers to enhance the water resistance, chemical resistance, wear resistance, and bond strength to a variety of substrates as well as its own internal strength. The high thixotropic index allows for build-ups on vertical surfaces without sag.

**APPLICATION:** Designed to be applied to a clean surface free of standing water with a notched (toothed) trowel or via roller. This epoxy system utilizes a 2 parts base to 1 part activator mix ratio by volume. This product is sold and installed only by technicians specifically trained and licensed in our patented techniques.

**ADVANTAGES:**

- Long Working Time Relative to Cure Time
- Excellent Cure at Extremely Low Temperature
- Excellent Cure at High Humidity
- Zero Induction Time
- 0% VOC's
- 100% Solids
- Ready-to-Use (No Thinning Required)
- Excellent Water and Chemical resistance with ambient cure
- Achieve high-build thicknesses without sag
- Low Odor

**SPECIAL SAFETY AND HANDLING:** There are no special safety or handling procedures beyond those published on the reverse and the Material Safety Data Sheets.

**Typical Properties**

**Liquid Properties (Systems)**

Viscosity	90,000-120,000 cps
Thixotropic Index	5.0-7.0
Specific Gravity	1.22
Flash Point (Closed Cup)	>235°F
Color	Varies
Geltime (500g@77°F)	240 minutes

**Physical Properties**

(1/8" Casting)

Tensile Strength (ASTM D638-86)	3,500
Flexural Strength (ASTM D790-86)	7,000
Flexural Modulus @ 0.100" (ASTM D790-86)	350,000
Compressive Strength (ASTM D695-85)	11,000
Glass Transition Temperature (ASTM D3418-82)	151°F
Tensile Elongation @ Break	4.8%
Thin Film Set (@77°F)	2 hours
Thin Film Set (@40 F)	8 hours
Shore D Hardness	83-85

**Chemical Resistance**

(28 Day Immersion)

<b>Chemical</b>	<b>Weight Gain (%)</b>
Toluene	0.99
Ethanol	4.68
10% Acetic Acid	3.85
70% Sulfuric Acid	0.13
50% Sodium Hydroxide	0.09
Distilled Water	1.00
Methanol	9.55
Xylene	0.69
Butyl Cellosolve	1.04
Methyl Ethyl Ketone	11.2
10% Lactic Acid	3.24
Bleach	0.93
1,1,1 Trichloroethane	2.43
10% Nitric Acid	3.25
30% Nitric Acid	6.41

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All values reported above are typical values, and are reported as a means of reference. Individual testing should be done to determine actual results, tested at specific conditions.