

## 301-WC Winter Cure

### DESCRIPTION:

A two part, highly thixotropic, Typical Properties epoxy system formulated specifically for spraying with Warren Environmental, Inc's patented spray equipment 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 patented spray equipment.. 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 CureTime
- ♦ Excellent Cure at Extremely Low Temperature
- ♦ Excellent Cure at High Humidity
- ♦ Zero Induction
- ♦ 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

### 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 (200g@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)

Chemical	Weight Gain (%)
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

All values reported above are typical values and are reported as a means of reference.