

# URETHANE PRODUCTS CORPORATION

## UPC High Performance Coatings

**Guardian 6001** is a rapid set high performance polyurea spray polyurea coating designed to perform in hydrolytic environments. The physical properties include a low permeability rating, high tensile strength, high abrasion protection and flex strength.

### Application

**Guardian 6001** must be applied to the substrate using a plural component spray pump with a minimum of 2000-psi capability at the spray tip and must be heated to a minimum of 140°F. Application temperature range is between 0°F to as high as 140°F.

### Usage

**Guardian 6001** is used for Secondary containment, concrete restoration, roofing top coat, and water proofing protection. Used in industrial facilities, refineries, chemical plants and marine applications.

### Rapid set properties

**Guardian 6001** fast set properties

Initial set time	8-15 seconds
Tack free	20-30 seconds
Return to service	1-2 hours

### Food Contact

USDA Compliant, self-approval is possible for incidental food contact. Must follow FSIS guidelines and installation process.

### Elcometer adhesion psi. (Typical)

Concrete (dry)	400
Concrete (primed)	1000
Steel (2-4 anchor profile)	1200

### Contact Information

Urethane Products Corporation  
9076 Rosecrans Ave  
Bellflower, Ca 90706  
(562) 630-4982 Phone  
(800) 913-0062 Toll free

E-mail: [info@urethaneproducts.com](mailto:info@urethaneproducts.com)

### Coverage

**Guardian 6001** is typically applied in continuous coats of 20 mils, but has no limit on the build up thickness.

**Coverage Rates** Per sqft (Per Gallon) Est. □ Subject to substrate condition. 50 Mils = 32 sq ft 80 Mils = 20 sq ft 125 Mils = 13 sq ft

### Waste Water Tank



### Protection



### Irrigation Canal



### Digester Tank

### Physical Properties

Solids		100%
Density	ASTM D 1622	70
Hardness	ASTM D 2240	95 A
Tensile	ASTM D 412	3188 psi
Elongation	ASTM D 412	637%
Tear Strength	ASTM D 470	421 lbs / inch
Abrasion (H18)	ASTM D 4060	0.94 / 1000
Permeability	ASTM E 96	.077 WVT

### Warranty information

Testing was performed by an independent testing facility and believed to be reliable. However since the data has been obtained under controlled Laboratory conditions we can assume no liability for damages resulting from the use of this material. All information given without warranty or guarantee. It is our recommendation that the user perform individual testing.







