

# POLYUREA

SINGLE COMPONENT/WATER-BORNE  
SILICONE-MODIFIED/FILM-FORMING



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[www.SureCreteDesign.com](http://www.SureCreteDesign.com)

## Technical Data

### COVERAGE

1— gal. = 100 sq. ft. @ 4 mils dry

### TECHNICAL DATA

- *Tensile Strength* ASTM D412  
5.980 PSI
- *Elongation* ASTM D412 85%  
(C880) 1,464 PSI
- *Tabor Abrasion CS17 wheel*  
ASTM D4060—50 mg loss
- *Hardness Shore D* ASTM  
D2240 = 60
- Dry to touch in approxi-  
mately 10 minutes

### CHEMICAL RESISTANCE

*Acetone 10 seconds = 5*

*Alcohol 1 hour = 3*

*Ammonia 1 hour = 4.5*

*Water 16 hours = 5*

*Coffee 16 hours = 4.5*

*Brake fluid 2 hours = no effect*

*Brake Fluid 24 hours = 0*

*Motor Oil 24 hours = no effect*

*Pepsi Cola 24 hours = no effect*

(0—5 scale represents failure to excel-  
lent)

### DESCRIPTION

**SureCrete's Polyurea** provides a superior sealer for countertops, offering excellent protection against staining, UV, and abrasion. Best results are achieved in combination with **SureCrete's LD1800** densifier, which precedes the application of **SureCrete's Polyurea**. While stain protection is enhanced over a longer curing period, within hours of application of the product, the countertop is protected.

### CHEMICAL MAKEUP

**SureCrete's Polyurea** is a single component, water-borne, water-reducible, silicone-modified, film-forming polyurea dispersion. Dilution rates with water may be as great as 1:1, water : polyurea.

### APPLICATION

Application can vary widely based upon desired results (e.g. highly polished versus low sheen treatments.) The versatility of **SureCrete's Polyurea** allows for a wide variety of choices. What follows has been especially effective with **SureCrete's Xtreme series Countertop**:

After the application of **SureCrete's LD1800** densifier and subsequent final polishing (if utilized), thoroughly clean the surface. Using a HVLP (high volume, low pressure) sprayer apply a thin coat. Allow first coat to dry to the touch and apply a second coat. For maximum protection and enhanced sheen, apply a third and final coat.

Alternatively **SureCrete's Polyurea** may be brushed, rolled, ragged, or sponged on the surface. Exercise care not to exceed 4 mil thickness in any single coat. To minimize tracking that is caused by ragging and sponging, **SureCrete's Polyurea** may be reduced with water. Multiple coats will enhance protection and sheen.

### LIMITATIONS

Do not allow **SureCrete's Polyurea** to freeze. Apply in temperatures between 50° and 90° F. Color segregation can occur while curing. Competent contractors experienced in the placement of this product should apply this product.