

# FLORIC POLYTECH

## CS-101 Clearseal (Solvent Based Acrylic) Technical Data Sheet

### 1.) PRODUCT DESCRIPTION

#### A) Composition

CS-101 Clearseal is a clear (gloss) single component, VOC compliant, solvent-based acrylic, that consists of a high molecular weight thermoplastic acrylic resin dispersed in a formulated proprietary blend of solvents. It is design to be used over most Floric Polytech cementitious, polymer modified toppings, chemical stains and color hardened architectural concrete. It may be used interior or exterior in a wide range of climates, has excellent UV stability, will not yellow or chalk and will protect the surface against dusting. It has proven successful where conventional water based sealers have failed, due to its exceptional durability.

#### B) Use

Designed primarily as a clear seal for applications over chemically stained or architectural concrete (stamped or flat), where a low maintenance, more cleanable surface is required. The features and application uses don't stop there, because CS-101 Clearseal may also be used as a sealer for most cementitious toppings and resurfacers, Spanish tile, masonry and some natural stone, providing the surface is properly prepared. In addition, it may be used as a maintenance coat to prolong the life and durability. It dries quickly for recoat and rapidly returns area to service.

#### C) Advantages - Limitations

##### Advantages

- 1) Water-retardant, will aid in restricting water penetration and salt attack.
- 2) Enhanced color vibrancy, (creates wet look)
- 3) Slip-resistant (when incorporated with a non-slip medium)
- 4) Excellent adhesion and abrasion-resistance
- 5) Low cost and easy to install by brush, roller or spray
- 6) Low maintenance and moderate chemical resistance
- 7) May be used on a wide range of surfaces

##### Limitations

1. May reflect working cracks in substrate.
2. Heavy foot traffic areas may require scheduled maintenance coats.
3. Not recommended for applications below 50°
4. Do not apply more than two coats over soft natural stones Exterior i.e.: (flagstone, limestone)
5. Must not be install when there's not a 5% variance between wet bulb humidity and dew point.
6. Must be installed over a clean dry surface.

### 2.) PHYSICAL CHARACTERISTICS AND TECHNICAL DATA

#### A) System thickness

3-5 wet mils per coat  
Standard application is one - two coats

#### B) Coverage per liquid gallon

300-500 sq ft per US gallon

C) Abrasion - Good

#### D) Impact resistance

(ASTM D-2794)  
Passes Direct > 160 inch lbs  
Reverse > 160 inch lbs

#### E) Flexibility

(ASTM D-1737, 180° Bend,  
1/8" Mandrel) Passes

#### F) Degree of Gloss

Available in Gloss and Satin finish

### 3.) Installation

A) Prepare surface by careful and thorough removal of laitance, grease, and foreign matter.

B) Apply first coat of Floric Polytech CS-101 by brush, roller or airless sprayer

C) Apply second coat (and third coat when heavy traffic requires) by brush, roller or airless sprayer

Note: Floric Polytech CS-101 Clearseal, when used with a small percentage of solvent based pigment concentrate or color dispersion, can also provide a carrier for stain washing and faux finish techniques.

Caution: Higher temperatures will shorten pot life and cure times, while lower temperatures will lengthen dry time and pot life.

### 4.) PRODUCT AVAILABILITY

East and west coast distribution coordination

Contact: Floric Polytech

PH# (909) 483-1870

Fax# (909) 483-1869

Consult Floric Polytech for specification assistance, detailing etc. This consultation is highly recommended.

#### G) Chemical Resistance

Environment	Immersion	Splash or spill
Acid	NR	R
Alkali	LR	R
Cola	R	R
Motor oil	R	R
Solvent	NR	LR
Salts	R	R
Water	R	R
Whiskey	R	R

NR- Not Recommended  
LR-Limited Recommendation  
R - Recommended

D) Solids Content by Weight 24 %

#### J) Cure Time at 77°F

Recoat - 30-60 Minutes  
Light foot traffic - 4 Hours  
Full cure - 72 Hours

#### K) Coefficient of Friction

CS-101 exceeds the static coefficient of friction values for accessible routes recommended by both OSHA (0.5) and the Architectural and Transportation Barriers Compliance Board (0.6) in regards to the Americans with Disabilities Act. Non-slip aggregate is required for ramps, stairs and wet areas.

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### 5.) SPECIFICATION AND TECHNICAL ASSISTANCE