

# FLORIC POLYTECH

## ST-200 Stamp-Overlay Cementitious Stampable Topping Technical Data Sheet

### 1.) PRODUCT DESCRIPTION

Florlic Polytech ST-200 Stamp-Overlay is a multi-use thin section, poured in place, cementitious architectural decorative topping designed to give the appearance of textured stamped concrete. This produces a wide range of architectural paving finishes, such as random stone, ashler slate, european fan, cobble stone, and seamless texturing surfaces like roman slate, sand stone and rough stone. Many existing available stamps may be used with little or no modification from traditional stamping techniques. ST-200 Stamp-Overlay may be used anywhere conventional floor coverings such as tile; marble, carpet and slate are used horizontally over concrete (for applications over wood consult Florlic Polytech for more information).

#### A) Composition

A multi-component product, Florlic Polytech ST-200 Stamp-Overlay consists of a unique proprietary rubber-like liquid, which is mixed at the time of application with a proprietary cement-aggregate blend and spread over a proprietary liquid polymer blended primer.

Florlic Polytech ST-200 Stamp-Overlay powder is white in color, however, it is available in 30 of our standard colors when integrally pigmented with our P-100 liquid pigments pack, it may also be custom pigmented in a wide range of additional colors. ST-200 Stamp-Overlay may also be antiqued or chemically stained, the texture and coloration options for ST-200 Stamp-Overlay are almost unlimited.

#### B) Advantages - Limitations

##### Advantages

- 1) Thin section compared to conventional stamped concrete.
- 2) May be applied anywhere conventional floor coverings are used.
- 3) Packaged in pre-portioned units, for ease of mixing.
- 4) Available in a wide range of standard colors and is acid stainable.
- 5) Design potential is almost unlimited, as it may be incorporated with many other flooring finishes, like inlays of natural stone, slate, marble, terrazzo, glass and some metals.
- 6) Low maintenance (when appropriately sealed) and is also available in a wide range of slip retardant profiles.

##### Limitations

1. May reflect working cracks in substrate.
2. May not be installed over working pour joints, control, or expansion joints and large moving cracks or cold joints (Consult Florlic Polytech, Inc. for detailing information around these areas).
3. Dry time is approximately 8 hours per 1/4" of thickness, and materials must not be exposed to temperatures below freezing during storage and initial curing period, low temperatures will increase dry time.
4. Installation should not be attempted when temperatures are below 55°F (12°C) or above 110°F (43°C).

### 2.) PHYSICAL CHARACTERISTICS AND TECHNICAL DATA

**A) System thickness**  
1/4" to 5/8"

**B) Compressive Strength**  
(ASTM C-109) 4,200 psi

**C) Flexural Strength**  
(ASTM C-580) 2,450 psi

**D) Thermal Shock**  
(ASTM D-1211) Good

**E) Water Absorption**  
(Mil-D-3134) 3.4%

**F) Chemical Resistance**  
When sealed with ON-2000 Clearseal

(ASTM D-1308)	
Gasoline	No Effect
Motor Oil	No Effect
Coffee	No Effect
Windex	No Effect
Formula 409	No Effect
Methanol	Loss of Gloss
10% Na-OH	No Effect
10% Acetic Acid	Destroyed
10% HCl	Swelling
	Recovered
10% Sulfuric Acid	Swelling

**G) Gloss, 60 degrees** >75  
(ASTM D-523)  
(When sealed with ON-2000 Clearseal)

**H) Tensile Strength**  
(ASTM C-190) 920 p.s.i

**I) Abrasion Resistance** 140.0mg  
(ASTM D-4060)  
CS-17 Disk, 1KG, 1000 Cycles-  
(When sealed with ON-2000 Clearseal)

**J) Shore 'D' Durometer Hardness**  
(ASTM D-2440) Durometer 60

### 3.) Installation

- A) Prepare surface by careful and thorough removal of laitance, grease, and foreign matter by means of shot blasting, grinding and /or scarification. Surface preparation should comply with ICRI CSP 3 or greater.
- B) Apply primer coat of Florlic Polytech ST-200 Primer by squeegee, brush or roller just prior to base coat screed application.
- C) ST-200 pigmented Stamp-Overlay mix is blended at 1 gallon liquid polymer to one bag powder, once completely mixed is placed by screed method or gauge rake and immediately closed troweled smooth, caution should be taken not to over work finish with trowel.
- D) Once Overlay is ready for stamping, Florlic liquid release is sprayed on surface and rubber stamps; stamps are then set and tamped in to place.
- E) Once Surface is dry, generally the next day, the surface is cleaned, detailed and highlight antiquing is applied.
- D) After antiquing is completely dry, apply two to three coats of Florlic Polytech clear sealer by roller, brush or sprayer, according to manufacturer's recommendations based on use, maintenance, and service requirements.

### 4.) PRODUCT AVAILABILITY

East and west coast distribution coordination  
Contact: Florlic Polytech, Inc. distribution  
PH# (909) 483-1870  
Fax# (909) 483-1869

Rancho Cucamonga, CA 91730  
PH# (909) 483-1870  
Fax# (909) 483-1869

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

### 5.) SPECIFICATION AND TECHNICAL ASSISTANCE

Florlic Polytech, Inc.

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