

# SPRAY-DECK SYSTEM

## DECORATIVE CEMENTIOUS COATING SYSTEM

### DESCRIPTION

**SPRAY DECK SYSTEM:** SPRAY DECK is a specially formulated, two-component, textured overlay system designed as a cover-up for a variety of existing concrete and masonry surfaces. From residential to commercial and industrial applications on horizontal or vertical surfaces, Spray-Deck is the ideal cover-up for unsightly existing concrete and masonry. Spray-Deck's unique resin emulsion system is specifically designed for a variety of concrete and masonry substrates.

### FEATURES

- Highly textured, Safety first non-slip decorative surface.
- May be integrally colored and clear sealed (see Texture-Crete Installation Guide)
- May be sealed with Increte's Stain Sealers (see Spray-Deck Installation Guide)
- May be used on vertical or horizontal surfaces
- Extremely tough, durable, wear-bearing surface
- Stain resistant, easy to clean surface
- Flexibility of application allows for a multitude of effects

### TECHNICAL INFORMATION

#### Impact Strength

Test Procedure: A one pound steel ball with a diameter of 1.9" was dropped from a height of six feet onto the mortared surface. Test Results: An indentation with a diameter of 0.45" was visible, however, no sign of cracking was present.

#### Tensile Strength

Tensile Strength at 1, 3, 7, and 28 days.

Test: ASTM C-190. Results (in psi):

1 day	230
3 days	470
7 days	890
28 days	890

#### Compressive Strength

Compressive strength at 1,3,7, and 28

Days. Test: ASTM C-109. Results (in psi):

1 day	3,900
3 days	6,100
7 days	7,010
28 days	7,880

#### Flexural Strength

Test Procedure: Samples were wrapped around a 3' diameter cylinder with mortar side in tension. Test Results: No visible signs of cracking were observed.

#### Thermal Expansion & Contraction

At 8,9,12, and 14 Days.

Test: ASTM C-531.

Final Result: 0.10% shrinkage,  $9.09 \times 10^{-6}$  in<sup>20</sup>F

Weight: 1 lb/ft<sup>2</sup>, thickness: 0.125 in.

#### Thermal Conductivity

Test: ASTM C518-76 using 6.0 mm thickness specimen, 96.8 lb.ft., 75°F.

Results: Apparent Thermal Conductivity 0.290 W/h.K, 2.01 BTU in 1hr/ft<sup>20</sup>F.

#### Thermal Resistance

0.12 BTU-1hr/ft<sup>20</sup>F.



Decorative Concrete  
Technology

#### INCRETE SYSTEMS

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## DECORATIVE CEMENTIOUS COATING SYSTEM

### PACKAGING

SPRAY DECK GROUT 50 lb. Bag  
SPRAY DECK RESIN 1 gal or 5 gal units  
CONCRETE STAIN SEALERS 1 gal or 5 gal units

### SHELF LIFE

SPRAY DECK GROUT: 2 years in original unopened bag  
SPRAY DECK RESIN: 2 years in original unopened containers  
CONCRETE STAIN SEALERS: WATER BASED 2 years; SOLVENT BASED 3 years in original, unopened containers

### COVERAGE

1 bag of SPRAY-DECK GROUT should cover 75 square ft. for a skim coat. 150 sq. ft. for a texture coat.

### DIRECTIONS FOR USE

#### APPLICATION PROCESS

**Preparation:** Remove any loose material such as paint or chipped concrete. Degrease surface with Increte Systems GREASE-AWAY degreaser using 4-8 fl. Oz. of degreaser to one gallon of water. Acid wash surface with a 1 to 5 solution of muriatic acid in water.

#### Mixing:

- 1) Pre-mix SPRAY DECK RESIN 1 to 1 with cool, clean potable water
- 2) Add 4-6 quarts of pre-mixed resin and water to a clean 5-gallon plastic pail.
- 3) Slowly mix while adding 1-50 lb. Bag of SPRAY DECK GROUT.
- 4) Mix 2-3 minutes.

**Application:** Grout mixture can then be trowelled, squeegeed, or sprayed on to the surface not to exceed 1/4" in thickness.

**Seal:** After at least 24 hours drying time, the surface must be scrapped, broomed, and blown with a high velocity blower and then sealed with Increte Systems Clear Seal or Increte Systems Concrete Stain Sealer.

#### MAINTENANCE

Clean surface as necessary with a soap/detergent and rinse with water.

### PRECAUTIONS/LIMITATIONS

Avoid prolonged contact with skin, and avoid splashing in eyes. Flush affected areas thoroughly with water to remove.

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