



# INCRETE GRANITE COAT

## VINYL-CHIP EPOXY FLOORING SYSTEM

### PACKAGING

#### INCRETE HIGH PERFORMANCE EPOXY

1 gal (3.8 L) and 3 gal (11.4 L) units

#### INCRETE GRANITE COAT

20 lb (9.07 kg) boxes and

55 lb (25 kg) packages

### YIELD

#### HIGH PERFORMANCE EPOXY:

1 gal (3.78 L) = 10 mils (250 µm)

160 ft<sup>2</sup> (15 m<sup>2</sup>)

#### INCRETE GRANITE COAT CHIPS:

Full coverage 5-7 ft<sup>2</sup>/lb (1-1.4 m<sup>2</sup>/kg)

Partial coverage 25-200 ft<sup>2</sup>/lb

(5.1-40.9 m<sup>2</sup>/kg)

### APPEARANCE

Colored vinyl chips

### CLEAN UP

Clean tools and application

equipment with INCRETE

SOLV-KLEEN, methyl ethyl ketone or

acetone immediately after use. Clean

spills or drips with solvent while

still wet. Dried epoxy will require

mechanical abrasion for removal.

### SHELF LIFE

2 years in original,

unopened containers

### BRIEF OVERVIEW

INCRETE GRANITE COAT is an attractive, seamless flooring system that is chemical and abrasion resistant. Utilizing a clear, 100% solids epoxy with a blend of colored vinyl chips, INCRETE GRANITE COAT provides positive footing or a smooth, high-gloss appearance that is both tough and attractive.

### PRODUCT CHARACTERISTICS

#### ADVANTAGES

- Decorative, aesthetic appearance
- Alternative to trowel applied systems
- Low odor
- High abrasion and chemical resistance
- Seamless
- Easy to maintain
- Long-term service life
- 6 color blends to choose from

#### COMMON USES

- Food processing areas
- Locker rooms/showers
- Kitchens
- Schools
- Restrooms
- Chemical processing
- Hospitals
- Walkways
- Correctional facilities
- Restaurants
- Lobbies
- Garages
- Auto service centers
- 50 °F (10 °C) to 90 °F (32 °C)

#### COMMON APPLICATION METHODS

- Broadcast

### TECHNICAL INFORMATION

Material properties @ 75 °F (24 °C)

**Mix Ratio** (by Volume) .....2:1

**VOC Content**.....< 50 g/L

**Pot Life**, 3 gal (11.4 L)/min ..... 15 to 25

**Gel Time**, 200 g/min .....35 to 45

**Tack Free**, hrs .....4 to 5

#### Compressive Strength, ASTM D 695

Neat resin, @ 24 hrs.....7,500 psi (51.7 MPa)

Neat resin, @ 7 days .....9,800 psi (67.6 MPa)

**Hardness, Shore D** ASTM D 2240 ..... 85 to 90

**Abrasion Resistance**, ASTM D 4060 ..... 32 mg loss

**Tensile Elongation**, ASTM D 638 % ..... 15 to 30

**Monolithic Surfacing**, ASTM C 722 ..... Passes

**Bond Strength**, ASTM D 4541..... Greater than Concrete

**Water Absorption**, ASTM D 570 @ 24 hrs.....<0.5%

**Flammability**, ASTM D 635

Self Extinguishing..... 0.75 Max

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## DIRECTIONS FOR USE

### SURFACE PREPARATION

This epoxy floor coating system is designed for application on concrete substrates. Newly placed concrete surfaces should be cured for a minimum of 28 days prior to coating. Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and other contaminants. Mechanically abrade the surface to achieve a surface profile equal to CSP 2-3 in accordance with ICRI Guideline 310.2. Properly clean profiled area. The pH of the surface should be checked according to ASTM D 4262. Following surface preparation, the cleaned surface should have a minimum surface-tensile strength of 200 psi (1.4 MPa) when tested with an Elcometer or similar pull tester (ASTM D 4541). Before applying the coating, use the "Visqueen" test (ASTM D 4263) or "Calcium Chloride Test" (ASTM F 1869) to evaluate the moisture level in the concrete. Do not proceed if a moisture vapor drive condition exists. Moisture vapor emission rate may vary over time depending upon environmental conditions. All steel surfaces should be blasted in accordance with SSPC-SP10 or NACE #2 to a "near white" finish using clean dry blasting media.

### MIXING

Pre-mix Part A and Part B, then combine 2 parts by volume of Part A with one part by volume of Part B and mix thoroughly using a low-speed drill motor and a "Jiffy" type mixer. Mix only the amount of material that can be applied during the pot life. Do not aerate the mix.

### APPLICATION

Spread the mixed epoxy with a notched squeegee while wearing spiked shoes. Start from one end of the floor and work backwards and sideways trying to keep a wet-to-wet edge. The coating should then be rolled in one direction using a 3/8 in (9.5 mm) nap, shed-resistant roller. Make sure that the material is applied as quickly as possible without leaving puddles.

### BROADCAST

Toss INCRETE GRANITE COAT chips evenly, in a high arcing motion into the wet epoxy. Allow to cure. Scrape off excess flakes.

### TOPCOAT

Apply clear INCRETE HIGH PERFORMANCE EPOXY or INCRETE POLYSEAL POLYASPARTIC coat as directed. For greater abrasion and chemical resistance a final coat of INCRETE URETHANE, or INCRETE URETHANE WATER BASED, may be applied.

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## PRECAUTIONS/LIMITATIONS

- Store at temperatures between 50 to 90 °F (10 to 32 °C).
- Do not aerate during mixing.
- Do not mix or apply unless surface, air and material temperatures are 50 °F (10 °C) and rising.
- Do not apply if surface temperature is within 5 °F (-15 °C) of the dew point in the work area.
- Cure new concrete 28 days before application.
- Do not apply to slabs on grade unless a heavy uninterrupted vapor barrier has been installed under the slab.
- Do not apply if the floor is subject to moisture vapor drive or hydrostatic pressure.
- INCRETE HIGH PERFORMANCE EPOXY will yellow upon prolonged exposure to sunlight or high-intensity artificial lights
- For applications requiring color stability, INCRETE URETHANE or INCRETE URETHANE WATER BASED should be used as a topcoat.
- Although epoxy coatings are chemically resistant, surface staining of the coating may occur after contact with some chemicals. Apply a urethane top coat for additional protection against chemicals.
- For professional use only.
- In all cases, consult the Safety Data Sheet before use.

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