

### DESCRIPTION

**Cantol 256** is a two component 97% solids novolac clear coating that can be used either as a coating or filled with paint chips, marble chips, and colored sand mixtures to provide an infinite array of color schemes or patterns. This product is suitable for medium to high build applications.

### RECOMMENDED FOR:

Recommended for chemical spill areas, troughs, curbs, and tanks. This product has exceptional chemical resistance and good color clarity.

### DIRECTIONS

#### PRODUCT STORAGE:

- Store product in an area as to bring the material to normal room temperature before using.
- Continuous storage should be between 60 and 90° F.
- Low temperatures or great temperature fluctuations may cause product crystallization.

#### SURFACE PREPARATION:

- The most suitable preparation would be a fine brush blast (shot blast) to remove all laitance and provide a suitable profile.
- All dirt, foreign contaminants, oil, and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4'x4' plastic sheet on the substrate and taping down the edges.
- If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating.
- The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbonding.

#### PRODUCT MIXING:

- This product has a mix ratio of 5.8# part A to 3.45# part B.
  - Standard packages are in pre-measured kits and should be mixed as supplied in the kit. We highly recommend that the kits not be broken down unless suitable weighing equipment is available.
  - After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free.
  - After mixing, transfer the mixed material to another pail (the transfer pail) and again remix.
  - The material in the transfer pail is now ready to be applied on the primed substrate.
- Improper mixing may result in product failure.

#### PRIMING:

A suitable primer should be used before applying this product. If a primer is not used, more porous substrates may cause outgassing and possible surface defects.

#### PRODUCT APPLICATION:

The mixed material can be applied by brush or roller. However, the material can also be applied by a suitable serrated squeegee and then back rolled as long as the appropriate thickness recommendations are maintained. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over aggressive mixing causes air entrapment, then an air release roller tool should be used prior to the coating tacking off to remove the air entrapped in the coating. This product can be used with various colored sand in a broadcast system or other suitable aggregate can be used in conjunction with this product to achieve a variety of color and application patterns. Contact your sales representative for details as necessary.

# PRODUCT DATA

## CANTOL 256

Acid/Chemical Resistant Novolac Epoxy Clear Coating

### RECOAT OR TOPCOATING:

If you opt to recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. Always remember that colder temperatures will require more cure time for the product before recoating or topcoating can commence. Before recoating or topcoating, check the coating to insure no epoxy blushes were developed (a whitish, greasy film, or deglossing). If a blush is present, it must be removed prior to topcoating or recoating. A standard type detergent cleaner can be used to remove any blush. Multiple coats of this product are compatible.

### CLEANUP:

Use Xylol

### FLOOR CLEANING:

Caution! Some cleaners may affect the colour of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

### RESTRICTIONS:

Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

### TECHNICAL DATA

**Solids By Weight:** Mixed = 97% (+/- 1%)

**Solids By Volume:** Mixed = 96% (+/- 1%)

**Volatile Organic Content:** Nearly zero pounds per gallon

**Standard Colours:** Clear- gardner color 2-3

**Recommended Film Thickness:** 16-18 mils

**Coverage Per Gallon:** 90-100 square feet per gallon @ 16-18 mils

**Packaging Information:** 1 gallon kit (.60 gallons part A and .40 gallons part B; 5 gallon kits (3.0 gallons part A and 2.0 gallons part B) (volumes approximate)

**Mix Ratio:** 5.8 pounds (.60 gallons) part A to 3.45 (.40 gallons) part B (volumes approximate)

**Shelf Life:** 1 Year In Unopened Containers

**Finish Characteristics:** Gloss (>70 at 60 degrees @ Erichsen glossmeter)

**Flexural Strength:** 10,120 psi @ ASTM D790

**Compressive Strength:** 9,440 psi @ ASTM D695 – 1/2" x 1/2" bars

**Tensile Strength:** 6,550 psi @ ASTM D638

**Adhesion:** 400 psi @ elcometer (concrete failure, no delamination)

**Ultimate Elongation:** 2.9%

**Hardness:** Shore D = 82

**Gardner Variable Impactor:** 50 inch pounds direct – passed

**Abrasion Resistance:** Taber abraser CS-17 calibre wheel with 1000 gram total load and 500 cycles= 27 mg loss

**Viscosity:** Mixed = 700-1000 cps (typical)

**DOT CLASSIFICATIONS:** Part A "Not Regulated"

Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

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### CURE SCHEDULE: (70°F)

Pot Life – (1½ Gallon Volume) .....	30-40 Minutes
Tack Free (Dry To Touch) .....	8-12 Hours
Recoat Or Topcoat.....	14-16 Hours
Light Foot Traffic .....	24 Hours
Full Cure (Heavy Traffic) .....	2-7 Days

**Application Temperature:** 50-90° F with relative humidity below 85% for best results.

### CHEMICAL RESISTANCE:

REAGENT	RATING
Butanol	E
Xylene	D
1,1,1 Trichloroethane	D
MEK	C
Methanol	C
Ethyl Alcohol	C
Skydrol	C
10% Sodium Hydroxide	E
50% Sodium Hydroxide	E
10% Sulfuric Acid	E
70% Sulfuric Acid	C
10% Hc1 (Aq)	D
5% Acetic Acid	D

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. **NOTE:** Extensive chemical resistance information is available through your sales representative.

### PRIMER:

Recommended Cantol 258

### TOPCOAT:

Optional: none necessary. Multiple coats of this product are acceptable as a stand alone coating or in topcoating over aggregate filled decorative systems with the liquid used as the binder.

### LIMITATIONS:

- Color stability or gloss may be affected by environmental conditions such as high humidity, temperatures, or chemical exposure.
- Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job.
- This product is not UV color stable and may discolor. Exposure to lighting such as sodium vapor lights may cause discolorations.
- Substrate temperature must be 5°F above dew point.
- For best results, apply with a 1/4" nap roller.
- All new concrete must be cured for at least 30 days prior to application.
- Apply a suitable primer before using this product.
- Do not expose this product to water until fully cured.

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### PRECAUTIONS

**PART A: WARNING:** Causes irritation. Avoid contact with skin and eyes. Use with adequate ventilation. Wear goggles when using. Wear gloves impervious to chemicals. Wash thoroughly after handling. Keep away from heat, sparks and open flame. Close container after each use. May cause skin sensitization. **FIRST AID:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek prompt medical attention. Flush skin with soap and water. If ingested, do not induce vomiting. Call a physician. Inhalation: remove to fresh air.

**PART B: DANGER: CORROSIVE.** Avoid contact with skin and eyes. Use with adequate ventilation. Wear goggles when using. Wash thoroughly after handling. Keep away from heat, sparks, and open flame. Close container after each use. May cause skin sensitization. **FIRST AID:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek prompt medical attention. Flush skin with soap and water. If ingested, do not induce vomiting. Call a physician. Inhalation: remove to fresh air. For industrial and institutional use only. **KEEP OUT OF THE REACH OF CHILDREN.** See Material Safety Data Sheet (MSDS) for more complete information.

### GUARANTEE

Cantol guarantees its products, when used as directed, to do all it claims. Should the product fail to demonstrate our claims, the remaining material may be returned to us and no charge will be made.