

DESCRIPTION

CANTOL 257 is a two component novolac epoxy primer in colours. **CANTOL 257** offers high solids, good substrate penetration and low odour. This primer reduces air release generation from the substrate when applying higher solids novolac topcoats. This will result in fewer surface imperfections in high build and self leveling type coating.

RECOMMENDED FOR:

Recommended for priming concrete and cement substrates prior to applying other novolac topcoats. This product can withstand exposure to many chemicals.

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.

SURFACE PREPARATION:

Surface preparation will vary according to the type of complete system to be applied. For a one or two coat thin build system (3-10 mils dry) we recommend either mechanical scarification or acid etching until a suitable profile is achieved. For a complete system build higher than 10 mils dry, we recommend a fine brush blast (shot blast). All dirt, oil, dust, foreign contaminants 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 9.95# part A to 4.15# part B by weight. Merely mix the two components together. After the two parts are combined, mix well with slow speed mixing equipment such as jiffy mixer until the material is thoroughly mixed and streak free.

PRODUCT APPLICATION:

The mixed material 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.

RECOAT OR TOPCOATING:

This product is a primer, we recommend a topcoat. When you recoat or topcoat this product, you must first be sure that all of the solvents have evaporated from the coating during the curing process. The information presented here has reliable guidelines to follow. However, it is best to test the coating before recoating or topcoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat or topcoat can be started. 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 can be removed with any standard type detergent cleaner prior to topcoating or recoating. The primary choice of topcoat will be other novolac epoxy coatings. Multiple coats of this product are suitable prior to topcoating.

CLEANUP:

Use Xylol

PRODUCT DATA

CANTOL 257 CHEMICAL RESISTANT COLOURED NOVOLAC EPOXY PRIMER

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 = 85% (+/- 2%)

Solids By Volume: Mixed = 80% (+/- 2%)

Volatile Organic Content: Part A = 1.7 Pounds Per Gallon
Part B = 1.25 Pounds Per Gallon

Standard Colours: Light Gray, Medium Gray, And Tile Red

Recommended Film Thickness: 5-6 Mills Per Coat Wet Thickness (Yields 4-5 Mills Dry)

Coverage Per Gallon: 267 To 320 Square Feet @ 5-6 Mills Wet Thickness

Packaging Information: 3 Gallon And 15 Gallon Kits (Volume Approx), 3 Gal Kit = 2 Gallons Part A (9.95#/gal) and 1 Gallon Part B (8.3#/gal)

Mix Ratio: 9.95# Part A (1 Gallon) To 4.15# (1/2 Gallon) Part B (Volumes Are Approximate)

Shelf Life: 1 Year In Unopened Containers

Finish Characteristics: Satin Gloss (>20 At 60 Degrees @ Erichsen Glossmeter)

Flexibility: No Cracks On A 1/8" Mandrel

Impact Resistance: Gardner Impact, Direct= 50 In. Lb. (Passed)

Abrasion Resistance: Taber Abrasor Cs-17 Calibrase Wheel With 1000 Gram Total Load And 500 Cycles= 26.1 Mg Loss

Adhesion: 375 PSI @ Elcometer (Concrete Failure, No Delamination)

Viscosity: Mixed = 250-500 Cps (Typical)

Application Temperature: 60-90° F with relative humidity below 90%

DOT CLASSIFICATIONS: Part A "FLAMMABLE LIQUID N.O.S., 3, UN1993 PGIII"
Part B "FLAMMABLE LIQUID N.O.S., 3, UN1993 PGIII"

CURE SCHEDULE: (70°F)

Pot Life – (1½ gallon volume)	1-3 hours
Tack Free (dry to touch).....	4-7 hours
Recoat Or Topcoat.....	7-10 hours
Light Foot Traffic	10-24 hours
Full Cure (heavy traffic)	2-7 days

CHEMICAL RESISTANCE:

REAGENT	RATING
Acetic Acid 5%	D
Xylene	D
Toluene	D
1,1,1 Trichloroethane	C
MEK	C
Methyl Alcohol	C
Gasoline	D
10% Sodium Hydroxide	E
50% Sodium Hydroxide	E
10% Sulfuric Acid	E
10% Hydrochloric Acid	E
20% Nitric Acid	C
Ethylene Glycol	E



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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:

None required

TOPCOAT:

Many novolac products are suitable. Ask your Cantol Representative for recommendations.

LIMITATIONS:

- Colours may be affected by high humidity, low temperatures or chemical exposure.
- For best results use a 3/8" nap roller.
- Slab on grade requires moisture barrier.
- Substrate temperature must be 5°F above dew point.
- All new concrete must be cured for at least 30 days.
- Physical properties are typical values and not specifications.
- This product should be topcoated with a suitable novolac epoxy topcoat.
- Colours may vary from batch to batch.

PRECAUTIONS

PART A: WARNING: Causes irritation. Avoid contact with skin and eyes. Use with adequate ventilation. Wear goggles when using. Where 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.

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CHEMICAL RESISTANT COLOURED NOVOLAC EPOXY PRIMER