

# CEILCOTE® 163 COROCRETE®

*Vinyl ester surface textured flooring*

## DESCRIPTION:

CEILCOTE 163 COROCRETE Surface Textured Flooring is a three-component modified vinyl ester floor coating material. It consists of a catalyzed resin in combination with multiple layers of broadcast or seeded grit.

## TYPICAL USES:

CEILCOTE 163 COROCRETE Surface Textured Flooring is used in areas subjected to solvents, acids, fats, oils, water, and various chemicals. Its dense, seamless surface prevents penetration of corrosives while allowing for easy cleaning. Thickness can be varied due to the multiple layer application steps. This ease of application provides a cost effective means of chemical protection.

The following areas are recommended for CEILCOTE 163 COROCRETE Surface Textured Flooring:

- . Chemical processing areas
- . Loading docks
- . Aisles and ramps
- . Heavy drainage areas

## ADVANTAGES:

- . Superior chemical resistance
- . Excellent bond to properly prepared substrate
- . Can be used with locally obtained aggregate to minimize material cost
- . Various grits can be used to broadcast into the wet resin system.

Those most often used are silica sand, hard granite or mineral slag. The latter of the two are used in the final broadcast layer for applications that involve higher traffic and/or mechanical abuse.

## COLOR:

Gray

## PHYSICAL PROPERTIES:

<b>Generic Type:</b>	Modified vinyl ester
<b>Volatile Organic Compounds:</b> (V.O.C.)*	0.3 lbs./gal.
<b>Viscosity (Resin):</b>	@77°F(25°C) 1000 cps
<b>Weight/Gallon:</b>	11.6 + 0.2 lbs
<b>Flash Point:</b> (Seta Flash)	
Liquid	83°F (28°C)
Hardener	210°F (99°C)
<b>Service Temperature Limits:</b>	
Splash/Spill/Rinse (Occasional)	180°F (82°C)
Splash/Spill/Rinse (Frequent)	140°F (60°C)

**Shelf Life:** 5 to 6 months in unopened containers stored below 80°F (27°C).

\*Lab Test 23 of Reg. 8-4 California Code

## COVERAGE:

Coverage of the system will depend on the type and size of aggregate fillers used per broadcast seed layer. The approximate yield for total system thickness of 1/4" is: 12 to 18 ft<sup>2</sup>/gal (.29 to .44 m<sup>2</sup>/litre) of CEILCOTE 163 COROCRETE Resin

## MIXING RATIO:

CEILCOTE 163 COROCRETE	1 gallon
CEILCOTE #2 Hardener	2.5 oz. per gallon
Thinning:	<b>DO NOT THIN</b>

## HANDLING PROPERTIES:

(Approximate Time)

	50°F (10°C)	73°F (23°C)	90°F (32°C)
Working Time	2 hrs.	1 hr.	25 min.
Time to Light Traffic	24 hrs.	6 hrs.	4 hrs.
Cure Time	3-4 days	1 day	12-16 hrs.

## PACKAGING:

Available in gallon (U.S.) units

## LIMITATIONS:

Do not apply CEILCOTE 163 COROCRETE when the surface temperature is below 50°F (10°C).

Should be recoated within two (2) weeks to assure proper adhesion of topcoat to basecoat. Confirm recoatability by wiping the coating with styrene. If surface becomes "tacky", adhesion is acceptable. If not softened by styrene, surface must be gritblasted or mechanically abraded to provide a non-glossy, rough surface.

CEILCOTE 163 COROCRETE is **NOT** recommended for steel. Not recommended for areas subjected to extreme thermal shock.

## APPLICATION:

### Surface Preparation

**Concrete** - Remove all oil, dirt and contaminants. Abrasive blast or mechanically remove laitance from surface. Surface should be dry and free of dust.

Use plastic sheet test method to ensure concrete is moisture free. If moisture is detected, re-test until dry. Refer to ASTM D-4263 Moisture Test.

### Placement:

1. Concrete and masonry surfaces must be primed with CEILCOTE 380 PRIMER. Coverage 150 - 200 ft<sup>2</sup>/gal (3.7 - 4.9 m<sup>2</sup>/litre)
2. After priming, roll, brush or spray a base coat of catalyzed CEILCOTE 163 COROCRETE Resin 25 to 30 wet mils onto surface.

3. Broadcast aggregate onto surface while base coat is still tacky (Aggregate must be completely dry). Figure approximately 1/16" or 60 mils for each broadcast seed layer using 20 to 40 mesh sand. Usually 3 to 6 broadcast seed coats are applied, depending on thickness specified. Final resin topcoat is then applied by roller, brush application. Coverage on resin topcoat is 100 to 150 ft<sup>2</sup>/gal (2.4 - 3.7 m<sup>2</sup>/litre)
4. Brush off excess aggregate after base coat has completely set.
5. Repeat steps 1 through 4 until desired thickness is achieved.
6. Apply resin topcoat after final layer of aggregate.

#### **CLEAN UP:**

Use toluene or T-410.

#### **SAFETY:**

Resin component contains vinyl ester resin.

Store in cool dry area [50°F to 80°F (10°C to 27°C)] away from direct sunlight, flame or other hazards.

#### **Resin Component**

Resin component is irritating to the skin and eyes. Vapor causes headache, dizziness, nausea and unconsciousness. Always wear protective clothing to minimize body contact. Area must be ventilated. If inhaled, remove victim to fresh air. Give artificial respiration if not breathing. For skin contact, wash with plenty of water immediately. For skin contact, wash with and water at once. Remove contaminated clothing. If swallowed, give large amounts of milk or water to drink. Get medical help immediately.

#### **Reactive**

Keep away from all sparks, flames and heat. Extinguish fires with foam, dry chemical, carbon dioxide, or water spray.

CEILCOTE #3C Hardener WARNING! This organic peroxide should be stored in a cool place away from all sources of heat. It should be stored separately and isolated from **ALL** other products.

It is a strong irritant and ingestion can be fatal. Wash contaminated areas thoroughly with soap and water. For eyes, flush immediately for 30 minutes with water. Call a physician.

Product Material Safety Data Sheets (MSDS) are available and should be consulted when handling products. These products are for industrial and professional use only; application directions must be followed.

#### **MAINTENANCE:**

Periodically inspect the applied material and repair localized areas needed. Consult your Master Builders representative for additional information.

#### **TECHNICAL ASSISTANCE:**

For technical assistance please contact your Master Builders, Inc. representative.

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