

CEILCOTE® 387 HYBRICOTE®

Hybrid-resin coating

DESCRIPTION:

CEILCOTE® 387 HYBRICOTE® coating is a revolutionary, new, high performance system designed to provide exceptional resistance to aggressive chemicals such as methylene chloride, acetone, methanol, nitric acid and n-methyl-pyrrolidinone.

Based on a novel, two-component, hybrid-resin system, CEILCOTE 387 HYBRICOTE system attains a high degree of crosslink density at room temperature and provides outstanding chemical resistance to a broad range of acids, alkalis, and organic solvents without the need to postcure.

CEILCOTE 387 HYBRICOTE material is applied in two 16 to 22 mil (400 to 550 microns) wet coats via brush, roller, or conventional equipment.

TYPICAL USES:

- Floors and trenches in process areas
- Primary and secondary containment areas
- Truck loading and unloading areas
- Surfaces exposed to chemical spillage

ADVANTAGES:

- Superior resistance to solvents including methylene chloride, acetone, and toluene
- **No postcure required**
- Reinforced with overlapping flake fillers
- Can be used on concrete and steel
- 100% reactive

COLORS:

Available in Gray and Red.

PHYSICAL PROPERTIES:

Generic Type	Catalyzed hybrid-resin
Weight/Gallon	10.35 +/- 0.2 lb/gal (1.2 +/- 0.09 Kg/L)
Volatile Organic Compounds (VOC) (EPA Method 24)	0.48 lb/gal (57.9 g/L)
Viscosity	2500 to 3000 cps @ 77 °F (25 °C)
Flash Point (Pensky Martens Closed Cup)	208 °F (97 °C)
Tensile Strength (ASTM D-638)	3600 psi (24.8 MPa)
Flexural Strength (ASTM D-790)	5200 psi (35.8 MPa)
Moisture Permeability (ASTM E 96 Proc. E)	0.0008 perm inch
Sag Resistance	20 to 24 mils (500 to 600 microns)
Shelf Life	4 months at 70 °F to 80 °F (21 °C to 27 °C)

HANDLING PROPERTIES:

(Approximate Time)

	50 °F (10 °C)	73 °F (23 °C)	90 °F (32 °C)
Working Time	180 min	50 min	16 min
Recoat Time			
• Minimum	12 hrs	4 hrs	2 hrs
• Maximum	7 days	4 days	2 days

LIMITATIONS:

- When applied in direct sunlight, CEILCOTE 387 HYBRICOTE system must be recoated within 4 hours for maximum adhesion.
- Allow coating to cure at least 24 hours at 70 °F (21 °C) and at least 5 days at 50 °F (10 °C) before placing into service in severe chemicals.

MIXING RATIO:

Stir Resin thoroughly then add 2.5 oz (0.074 liters) of CEILCOTE 387 HYBRICOTE Hardener for each gallon (3.78 liter) of CEILCOTE 387 HYBRICOTE Resin.

COVERAGE:

Average coverage is approximately 29 to 40 ft²/gal (0.71 to 0.98 m²/liter) at 32 to 44 wet mils (800 to 1100 microns) based on a 20% loss of material due to waste and overspray.

APPLICATION: (abbreviated)

Surface Preparation:

Steel:

Blast with sharp abrasive. A "White Metal" surface (**SSPC #5-89 or NACE #1**) is required with a minimum anchor pattern of 3 mils (75 microns).

Concrete:

Grit blasting or scarification to remove laitance and surface contaminants is required. Concrete must be thoroughly cured, free of oils, curing solutions, mold release agents, dust and must be dry at time of application.

Primers: CEILCOTE 386 Primer or CEILCOTE 380 Primer

Mechanically premix Primer Resin (i.e. Part A) individually prior to adding Hardener. After initial mixing, add #2C Hardener to CEILCOTE 380 Primer or CEILCOTE 386 Primer Hardener to CEILCOTE 386 Primer Resin and mix three minutes.

Apply catalyzed primer at 5 wet mils (125 microns) using a brush or roller.

Mechanically premix CEILCOTE 387 HYBRICOTE Resin (i.e. Part A) individually prior to adding Hardener. After initial mixing, add 2.5 oz (0.074 liters) of CEILCOTE 387 HYBRICOTE Hardener per 0.75 gallon of CEILCOTE 387 HYBRICOTE and mix three minutes.

APPLICATION: (abbreviated), continued:

Apply catalyzed CEILCOTE 387 HYBRICOTE material at 16 to 22 wet mils (400 to 550 microns) using a brush, roller, or conventional spray equipment. Repeat for second coat.

Thinning:

None required. DO NOT THIN.

SAFETY:

During application of CEILCOTE 387 HYBRICOTE material always wear gloves and appropriate work clothing to minimize contact. Ventilation is always required per OSHA requirements.

Observe safe storage practices by separating Resins from Hardeners, by keeping Solvents and Hardeners in a cool area free of sources of ignitions, and by observing a special warning on RED and YELLOW labeled products. The RED label represents amine type chemicals and the YELLOW label represents organic peroxide type chemicals which should not be stored adjacent or mixed together because of the possible violent reaction between them. Product Material Safety Data Sheets (MSDS) are available and should be consulted when handling products.

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