

# CEILCOTE® 386 Primer

Hybrid polymer primer for use on concrete or steel

## DESCRIPTION:

CEILCOTE® 386 primer is a low V.O.C., 100% solids primer for concrete and steel substrates. It provides excellent bonding and adhesion for CEILCOTE 387 HYBRICOTE as well as various other vinyl ester coatings and linings.

## PHYSICAL PROPERTIES:

**Solids Content:** 100% Reactive

**Volatile Organic Compounds (V.O.C.):** 0.12 lb/gal (14.4 g/L)  
(EPA Method 24)

**Flash Point:** >200 °F (93 °C)  
(Pensky-Martens Closed Cup)

**Viscosity:** 750 to 1,050 cps

**Color:** Translucent Purple

**Mass/Gallon:** 9.3 ± 0.2 lb/gal (1.1 ± 0.02 kg/L)

**Shelf Life:**

@ 40 to 60 °F (4 to 16 °C)	6 months
@ 65 to 80 °F (18 to 27 °C)	4 months
@ 80 to 90 °F (27 to 32 °C)	2 months

## HANDLING PROPERTIES:

(Approximate Time)

Temperature	Working Time Per Gallon	Recoat Time	Recoat Time
		Minimum	Maximum
50 °F (10 °C)	2 h	48 h	7 days
73 °F (23 °C)	40 min	6 h	4 days
90 °F (32 °C)	15 min	3 h	2 days

## PACKAGING:

Available in 3/4 gal (2.8 L) and 4 gal (15.1 L) units.

## STORAGE:

Store in a cool, dry environment out of direct sunlight and away from fire hazards.

## LIMITATIONS:

Surfaces should be topcoated within four weeks to assure proper adhesion of topcoat to primer.

## MIXING RATIO:

3 oz of Hybrid Novolac Hardener for each gal of material.

## COVERAGE:

Average coverage is approximately 150 to 200 ft<sup>2</sup>/gal (3.7 to 4.9 m<sup>2</sup>/L) on concrete at 5 to 8 wet mils (125 to 200 micrometers) and 200 to 300 ft<sup>2</sup>/gal (4.9 to 7.3 m<sup>2</sup>/L) on steel at 2 to 5 wet mils (50 to 120 micrometers).

## APPLICATION:

### (ABBREVIATED)

#### Surface Preparation:

##### Concrete:

Refer to Master Builders Concrete Substrate Specification CPT #1. Shotblasting or abrasive blasting to remove laitance and surface contamination is recommended. The concrete must be thoroughly cured, free of oils, curing solutions or mold release agents and must be free of dust at the time of application. The concrete must be dry. Refer to ASTM D-4263.

##### Steel:

Abrasive blast to "White Metal" in accordance with SSPC Specification SP-5-89 or NACE No. 1, using a clean, dry abrasive to obtain a minimum 3.0 mil (75 micrometers) profile. Surface must be dry and free of foreign matter at the time of application.

#### Application of CEILCOTE 386 Primer:

Mechanically premix CEILCOTE 386 resin (i.e., Part A) individually in a larger bucket prior to adding hardener. After initial mixing, add Hybrid Novolac hardener and mix well for one minute.

CEILCOTE 386 primer may be applied with a natural bristle brush, short nap roller or spray equipment.

Apply catalyzed CEILCOTE 386 primer at 5 to 8 wet mils (125 to 200 micrometers) on concrete, 2 to 5 wet mils (50 to 125 micrometers) on steel.

#### Conventional Spray:

Use conventional pressure pot and spray equipment. With Binks 18 or 62 spray gun, 66SS spray top and needle, with 63PM, 63PB or 63PB air caps or equivalents from other manufacturers. Apply a light, wet coat to the surface without excessive overspray.

#### Airless Spray:

Use a minimum 24:1 ratio pump with 0.015 to 0.024 in. (0.38 to 0.61 mm) fluid nozzle and 20 to 60 degree fan angle. Adjust material pressure at approximately 1,200 to 2,000 psi (8 to 14 MPa) to provide uniform wet film.

#### Thinner:

None required. DO NOT THIN.

#### OBSERVE WORKING TIME LIMITATIONS:

Catalyze no more material than can be applied within the working time. Available working time, temperature and complexity of the area to be primed will determine how much material should be catalyzed at one time. Keep material cool and shaded from direct sunlight in warm weather. Working time can be extended by keeping material cool before and after mixing and by immersing container in ice water during hot weather.

## **CLEAN UP:**

Use T-410 Solvent, Methyl Ethyl Ketone, or lacquer thinner.  
DO NOT USE ACETONE SOLVENT.

## **SAFETY:**

CEILCOTE 386 primer contains reactive resins and monomers.  
Observe the following health and physical precautionary  
measures before using this product.

Health Product Information - Wear gloves, eye protection, and  
appropriate work clothing to avoid contact with components.  
Ventilation is required with special consideration for enclosed or  
confined areas. Air movement must be designed to ensure  
turnover at all locations in work and adjacent areas to avoid  
buildup of heavy vapors. Refer to Material Safety Data Sheets  
for specific health information on each product.

## **FOR INDUSTRIAL AND PROFESSIONAL USE ONLY**

### **Master Builders, Inc.**

#### **United States**

23700 Chagrin Boulevard  
Cleveland, Ohio 44122-5554  
(800) MBT-9990  
Fax (216) 831-6910

#### **Canada**

3637 Weston Road  
Toronto, Ontario M9L 1W1  
(800) 387-5862  
Fax (416) 741-7925

#### **Mexico**

Bld. M. Avila Camacho 80, 3er Piso  
53390 Naucalpan, México  
011-525-557-5544  
Fax 011-525-395-7903