

CEILCOTE 380 CONCRETE PRIMER

DESCRIPTION:

CEILCOTE 380 PRIMER is a catalyzed, vinyl ester resin primer for use only on concrete surfaces. It provides improved bonding and adhesion for various polyester linings or protective coatings.

Solids Content	100% reactive
Flash Point (<i>Pensky-Martens Closed Cup</i>)	3°F (28°C)
Viscosity	225 ± 25 cps
Color	Translucent Green
Density (<i>wt per gal.</i>)	9.0 ± 0.02 lbs. Coverage averages 100-200 ft ² per gal. Actual coverage will depend on surface texture and film thickness.
Pot Life	@ 50°F—60 minutes @ 77°F—35 minutes @ 90°F—15 minutes OBSERVE POT LIFE LIMITATIONS.
Thinner	None required.

SURFACE PREPARATION:

Sandblasting to remove laitance and surface contaminants is recommended. Concrete must be thoroughly cured, free of oils, curing solutions or mold release agents, dust, and must be dry at time of application. Refer to ASTM D-4263.

Drying And Curing	For Recoating @ 50°F—5 hr minimum @ 77°F—2 hr minimum @ 90°F—1 hr minimum
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RECOAT LIMITATIONS:

Surface should be topcoated within 1 week when exposed to sunlight otherwise must be topcoated within 4 weeks to assure proper adhesion of topcoat to primer. For longer exposure confirm recoatability by wiping with Styrene Monomer. If surface becomes "tacky" adhesion is acceptable. If not softened by Styrene, surface must be sandblasted or mechanically abraded to provide a non-glossy, abraded surface.

NUMBER OF COATS AND THICKNESS:

One coat @ 2-5 mils. WFT

CLEAN UP:

Use T410 Solvent, Methyl Ethyl Ketone, or lacquer thinner. DO NOT USE ACETONE.

MIXING:

Stir thoroughly CEILCOTE 380/652/695BC resin, then add 2-1/2 oz of Hardener #2 for each gallon of material. Mix thoroughly. OBSERVE POT LIFE LIMITATIONS.

APPLICATION:

Brush

Use a natural bristle brush.

Roller

Use a short nap wool or mohair roller.

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" fluid nozzle and 20 to 60° fan angle. Adjust material pressure at approximately 1,200-2,000 psi to provide a uniform wet film.

OBSERVE POT LIFE LIMITATIONS:

Catalyze no more material than can be applied within the pot life period. Available working time, temperature and complexity of the area to be primed will determine how much material should be catalyzed at one time. Before placing freshly catalyzed material into pressure pot, discard all remaining primer and wipe pot clean since old primer will reduce pot life of freshly mixed material. Flush pot and lines thoroughly after every 3 to 4 batches at temperatures above 80°F. Keep material cool and shaded from direct sunlight in warm weather. Pot life can be extended by keeping material cool before and after mixing and by immersing pot in ice water during hot weather.

Flush pot and lines thoroughly and immediately after use.

PACKAGING:

Available in 1 gal., 5 gal. and 30 gal. units. Hardener #2 (catalyst) is included in the material price with 2-1/2 oz. of Hardener per gallon of material, in separate container.

STORAGE AND SHELF LIFE:

Store in a cool, dry place out of direct sunlight and away from fire hazards. Shelf life is 6 months at 40 to 65°F; 3 months at 65 to 80°F; one month at temperatures above 80°F. Material may jell rapidly at storage temperatures above 90°F. When using older material, catalyze a small amount and brush out to check for proper handling.

SAFETY:

CEILCOTE 380 Primer contains vinyl ester resins and styrene monomer. The hardener is an organic peroxide. Primer components have been formulated to optimize bonding and adhesion characteristics while minimizing hazardous physical and health factors encountered during application. A concerned effort is made to be aware of the latest chemical toxicological information and to apply this knowledge in a responsible manner to insure product safety.

During application of the P-380 system materials always wear gloves and appropriate work clothing to minimize contact. Ventilation is required with special consideration for enclosed or confined areas. Air movement must be designed to insure turnover at all locations in work area and adjacent areas to avoid buildup of heavy vapors. Use caution when handling flammable liquids, eliminate sources of ignition from work areas and empty containers with residues.

Observe safe storage practices by separating resins from hardeners, by keeping solvents and hardeners in a cool area free of sources of ignition, and by observing a special warning on RED and YELLOW labeled products. The RED labels represent amine-type chemicals, and the YELLOW labels represent organic peroxide-type chemicals which should not be stored adjacent or mixed together because of possible violent reaction between them.

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

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

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