

Description

CEILCOTE 310 Ceilpatch is a chemical-resistant vinyl ester patching/filling compound that is used to fill defects in concrete or steel prior to the application of Ceilcote Lining, Coating or Flooring systems. It provides excellent adhesion to concrete or steel, minimal shrinkage and superior chemical resistance

Typical Uses

- Filling air pockets, pinholes, tie holes, form burrs, honeycombs or other defects in concrete.
- Repairing cracks in concrete
- Smoothing steel welds
- Smoothing pitted steel

Advantages

- Uniform consistency
- Two component system eliminates air borne dust
- Ease of application (user friendly)
- Provides smooth surface to receive vinyl ester and polyester systems.

Chemical Resistance

Resistant to most acids, alkalis and solvents. Specific information on the chemical resistance properties will be furnished on request.

Substrate

The substrate must be dry, strong and free of contamination.

Surface Preparation

Concrete - Abrasive blasting or scarification to remove laitance and surface contaminants is recommended. Concrete must be thoroughly cured, free of oils, curing solutions and mold release agents, dust and must be dry at time of application. Use ASTM D 4263 (plastic sheet test method) to ensure concrete is moisture free. If moisture is detected, re-test until dry. Alternately test per ASTM 1869 for maximum 3 lbs./24hrs., 1000 sq.ft. (92.9 m²)

Metal - For immersion or intermittent splash and spillage conditions, abrasive blast to "White Metal" in accordance with Steel Structures Painting Council Specifications **SP-5 (Sa3 (ISO 8501-1:2007))** or **NACE Specification #1**. For fumes and dry environments, abrasive blast to "Near White" in accordance with **SP-10 (Sa2½ (ISO 8501-1:2007))** or **NACE #2**. A minimum surface profile of 3.0 mils (75 microns) is required.

Application

CEILCOTE 310 Ceilpatch is a two-component vinyl ester patching/filling compound consisting of resin and hardener.

Prime area with Ceilcote 380 Primer prior to placing 310 Ceilpatch. Other epoxy primers may be used. Consult Ceilcote.

Pour 310 Ceilpatch resin and #2 hardener into a clean pail. Stir well for 2 minutes or longer and scrape the sides and bottom of pail to assure that a uniform blend is attained. A jiffy type mechanical mixer operated at low speed is recommended for best results.

Do not mix more than one gallon (3.79 liters) at a time

Apply by trowel or putty knife. Stroke in several directions to fill the holes or voids. Normally only a very thin film should remain on the substrate. For areas that require higher filling consult Ceilcote.

It is not necessary to re-prime the area if coating, lining or flooring application is within recommended recoat time.

Allow to cure prior to placing Ceilcote vinyl ester or polyester systems.

Mixing Ratio

	By Weight	By Volume
CEILCOTE 380 Primer		
380 Primer Resin	100	1 gal (3.79 liters)
#2 Hardener	2	2.5 oz (74ml)
CEILCOTE 310 Ceilpatch		
310 Ceilpatch Resin	100	1 gal (3.79 liters)
#2 Hardener	2	2.5 oz (74ml)

Handling Properties

Working Time

Temperature	Time 380 Primer	Time 310 Ceilpatch
50°F (10°C)	1 hr	80 min
70°F (21°C)	30 min	40 min
90°F (32°C)	15 min	25 min

Recoat Time

Temperature	Time 380 Primer	Time 310 Ceilpatch
50°F (10°C)	5 hrs	5 hrs
70°F (21°C)	2 hr	2 hr
90°F (32°C)	1 hr	1 hr

Coverage

380 Primer

Concrete approx. 160-200 ft²/gal (3.9-4.9 m²/liter)

Steel approx. 250-300 ft²/gal (6.1-7.3 m²/liter)

To fill air pockets, tie holes, honeycombs, form burrs, pinholes, etc approximately 60-70 ft²/gal (1.5-1.7 m²/liter)

@ 1/16" approximately 23-25 ft²/gal (0.6-0.7 m²/liter)

@ 1/8" approximately 11-14 ft²/gal (0.3-0.4 m²/liter)

Packaging

The following standard packages are available
 CEILCOTE 380 Primer 1, 5, 30 gal Unit (3.79, 18.92, 113.5 liter units)
 CEILCOTE 310 Ceilpatch 1, 5 gal Unit (3.79, 18.92 liter units)

Storage

Store in a cool, dry and covered location away from fire hazards and direct sunlight. Minimum shelf life at 70° F (21° C) for each component is indicated below:

CEILCOTE 380 Primer	6 months
CEILCOTE 310 Ceilpatch	6 months

Higher temperature will shorten the shelf life of these products. The packing drums are to be kept tightly sealed and are to be resealed each time materials have been removed. All liquid products are to be stored in a frost-free place.

Safety

Store in cool, dry area [50° - 90° F (10° - 32° C)] away from direct sunlight, flame or other hazards.

CEILCOTE 310 Ceilpatch contains vinyl ester resin and cumene peroxide catalyst. The product's components have been formulated to optimize physical characteristics such as strength and chemical resistance while minimizing hazardous physical and health factors

encountered during application. A concerted effort is made to be aware of the latest chemical toxicological information and to apply this knowledge in a responsible manner to ensure product safety.

During application of CEILCOTE 310 Ceilpatch 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 area and containers with

residues. Observe safe storage practices by separating resins from hardeners, by keeping solvents in a cool area, free of sources of ignition.

Product Material Safety Data Sheets 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 as needed. Consult your CEILCOTE representative for additional information.

Technical and Physical Data

	Test standard	Unit	Value
Generic Type			Vinyl ester
Color			Gray
Initial Setting Time	ASTM C308	Hrs.	2-3
Viscosity		cps	170,000
VOC	Method EPA 24	lbs/gal (g/ltr)	2.0 (240)
Solids Content		%	100 (reactive)
Flash Point		°F (°C)	83 (28)

Important Note

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to law) any loss or damage arising out of the use of the product. WE HEREBY DISCLAIM ANY WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local International Paint representative that this data sheet is current prior to using the product.

Issue date: 18/06/07

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CEILCOTE® 310 Ceilpatch
Chemical Resistant Vinyl Ester
Filler