

Description

The CEILCOTE® 660 HV Corocrete corrosion resistant coating is a solventless, moisture tolerant, room temperature cured epoxy coating. It has been designed to protect concrete and Ceilcote Corocrete flooring systems from most highly corrosive chemicals.

Typical Uses

- Manufacturing facilities using strong chemical corrosives, such as chemical plants, dairies, breweries, canneries, slaughterhouses, plating rooms, pulp & paper mills, power plants & machinery cleaning rooms.
- Coating of concrete subjected to strong chemicals.
- Top Coat for trowel or broadcast applied Ceilcote epoxy flooring systems.

Advantages

- 100% solids, low odor.
- Outstanding resistance to most organic & inorganic acids, alkalis & other corrosives.
- Orange peel texture.
- Moisture tolerant cure.

Color

Light Gray, Medium Gray, Dark Gray, Tile Red, Beige Consult SGL ACOTEC, Inc. for special colors.

Chemical Resistance

Information on the chemical resistance properties will be furnished on request.

Substrate

Refer to Ceilcote concrete specification CPT-1.

Surface Preparation

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.

Application

Use one or more coats of Ceilcote 660 HV Corocrete depending on surface texture desired.

Mixing Ratio	By Weight	By Volume
CEILCOTE 660HV Corocrete		
660 HV Corocrete Resin	3.5	2.5
660 Corocrete Hardener	1	1

For concrete and steel substrates, priming is necessary. CEILCOTE SF Corocrete resin and hardener can be used. When going over existing epoxy systems, priming is not required.

Placement

Mechanically premix CEILCOTE 660 HV Corocrete components individually prior to blending together. After initial mixing, add CEILCOTE 660 Corocrete Hardener to CEILCOTE 660 HV Corocrete Resin liquid and mix for three to five additional minutes. For orange peel finish apply at 5 to 7 mils (125-175 microns).

Roller or Squeegee

Use short or medium nap, shed resistant rollers, or flexible squeegees.

Thinning

None required. Do not thin

Handling Properties

All times are approximate

660 HV Corocrete	Working Time	Recoat
50°F (10°C)	120 min	24 hrs
70°F (21°C)	60 min	12 hrs
90°F (32°C)	30 min	6 hrs

Time to Place in Service

	Traffic	Traffic w/LTC	Cure Time
50°F (10°C)	2 days	36 hrs	7 days
70°F (21°C)	12 hrs	10 hrs	72 hrs
90°F (32°C)	6 hrs	5 hrs	36 hrs

To speed cure (approximately 20%) use 2-4 fluid oz of LTC Accelerator per gal of 660 HV Corocrete..

Coverage

SF Corocrete as Primer

150-200 ft²/gal (3.7-4.9 m²/liter)

660 HV Coating @ 5-7 mils per coat

200-250ft²/gal (4.9-6.1m²/liter)

Packaging

The following standard packages are available:

CEILCOTE 660 HV Corocrete

1, 3.5 gal units (3.79, 13.24 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 products indicated below:

CEILCOTE 660 HV Corocrete

18 months

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. Low temperatures may effect ease of application.



Safety

Store in cool, dry area [50° - 90° F (10° - 32° C)] away from direct sunlight, flame or other hazards. CEILCOTE 660 HV Corocrete contains epoxy resins and a polyamine catalyst. The product's components have been formulated to optimize physical characteristics such as filling capacity, abrasion, moisture 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 insure product safety.

During application of CEILCOTE 660 HV Corocrete 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 ignitions.

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			Epoxy
Viscosity - mixed	ASTM D 2393	cps	2,000 @ 73 °F
Tensile Strength	ASTM C 307-77	psi (mpa)	3,000 (20.6)
Tensile Elongation	ASTM D 638	%	4
Taber Abrasion	ASTM D 4060	mg/1000 cycles	100
Density	ASTM D 792-66	lbs/gal	9.2
Service Temperature Limits	Occasional Splash/Spill/Rinse Frequent Splash/Spill/Rinse	°F (°C)	250 (121) 170 (77)
Volatile Organic Compounds	EPA Method 24	lbs/gal (g/l)	.32 (38)
Flash Point	Pensky-Martens Closed Cup	°F (°C)	> 212 (100)

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.

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