

CEILCOTE 72 COROCRETE®

Fast cure epoxy non-skid floor

DESCRIPTION

CEILCOTE 72 COROCRETE is an epoxy system in which aggregate is added to the wet surface to form a surface textured floor coating. CEILCOTE 72 COROCRETE is a two-coat system (primer and surface textured coat). Optional pigmented topcoat is available.

TYPICAL USES

- Warehouse floors, walkways and stairways
- Loading ramps and docks
- Parking garages, airport runways and storage tank steps

ADVANTAGES

- Excellent chemical resistance
- High tensile impact and bond strength
- Rapid curing system for fast start-up
- Optional pigmented topcoats are available
- Low odor
- 100% Solids

COLORS

Available in Clear (Amber).

PHYSICAL PROPERTIES

Generic Type	Polyamine cured epoxy
Volatile Organic Compounds (V.O.C.)	0 lbs/gallon
Viscosity (Mixed)	200 cps
Weight/Gallon (Mixed)	11.6 ± 0.2 lbs.
Flash Point (Seta Flash)	
Liquid	136°F (58°C)
Hardener	141 °F (61°C)
Service Temperature Limits (continuous)	
Splash/Spill/Rinse (occasional)	180°F (83°C)
Splash/Spill/Rinse (frequent)	210°F (60°C)
Abrasion Resistance	
Tabor Coefficient (ASTM D 4060 84)	40 mg
Tensile Bond To Concrete (ASTM D-4541)	440 psi

CHEMICAL RESISTANCE

Rating Guide	
Excellent <i>Suitable for frequent exposure</i>	Good <i>Suitable for short-term exposure (splashes, spills, etc.)</i>
Dilute Inorganic Acids Alkalies Automotive/Petroleum Food (Meat/Beverages) Salt Solutions	Dilute Organic Acids Aromatic Solvents Aliphatic Solvents

Coverage (Theoretical)

Two Coat System	80 sq.ft/gal @ 20 mil DFT
Three Coat System	53 sq.ft/gal @ 30 mil DFT

NOTE: When estimating job requirements, material losses during mixing and application must be considered. Also, the surface to which the material is being applied and the method of application will affect the coverage.

Mix Ratio 5:1 - liquid to hardener by volume

Thinning DO NOT THIN

HANDLING PROPERTIES

	(Approximate Time)		
	50°F	77°F	90°F
Working Time	30 min.	15 min.	10 min.
Drying Time	24 hrs.	8 hrs.	6 hrs.
Time to Light Traffic	7 days	3 days	48 hrs.

Packaging

Available in 6 gallon (U.S.) units.

Shelf Life

Shelf life for material is one year minimum, if kept tightly sealed.

LIMITATIONS

Do not apply CEILCOTE 72 COROCRETE when the surface temperature is below 50°F.

Cracks and holes in concrete should be repaired prior to the application.

The floor surface must be structurally sound, free from hydrostatic pressure, contaminants, curing compounds or other materials which will prevent adhesion.

Whenever the concrete surface is porous which will cause entrained air to blister the coating a primer such as CEILCOTE 680 Primer should be used.

APPLICATION

Surface Preparation

Steel - For splash/spill/atmospheric service use a "Near White" sandblast (**SSPC #10-89 or NACE #2**).

Concrete - Gritblasting or scarification 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 the ASTM D-4263 Moisture Test.

Primers

For Steel Surfaces

CEILCOTE 680 Primer

For Concrete

CEILCOTE 680 Primer CEILCOTE P-680 C (Conductive) Primer

- Stir well for at least 2 minutes to insure proper blend. For best results on concrete or metal, apply a thin tack coat of COROCRETE 72. Holes may be filled ahead of second coat by mixing sharp, clean sand with resin and applying to holes as putty. Before tack coat completely sets up or while tacky, apply a coat of COROCRETE 72 to the primer surface.
- Broadcast sand or grit into resin while the resin is soft and completely cover the entire resin surface. Brush excess grit off after resin is set. When topcoating over grit, apply CEILCOTE 72 COROCRETE topcoat.

SAFETY

FOR INDUSTRIAL USE ONLY!

CEILCOTE 72 COROCRETE components contain epoxy resins and polyamine curing agents.

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

During application of CEILCOTE 72 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 positions 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 (MSDS) 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 needed. Consult your Master Builders representative for additional information.

TECHNICAL ASSISTANCE

For technical assistance please contact your Master Builders representative.

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