

CEILCOTE® 252 FDA FLAKELINE® Coating

Catalyzed polyester coating

DESCRIPTION:

CEILCOTE® 252 FDA FLAKELINE® coating is a flake-filled, catalyzed polyester system that exhibits excellent resistance to acids, salts, alkalis and many organic solvents.

TYPICAL USES:

- Immersion service.
- Food & beverage plants.
- Pulp & paper mills.
- Chemical plants.

ADVANTAGES:

- Meets FDA requirements.
- Excellent chemical resistance.

COLOR:

Off-White

PHYSICAL PROPERTIES:

Volatile Organic Compounds (VOC)

Lab 23 Method of Reg. 8-4-111
of California Code

0.28 lb/gal

Viscosity

3,500 to 4,000 cps @ 77°F (25°C)

Density

10.0 + 0.2 lbs/gallon (1.2 + 0.09 kg/liter)

Flash Point

Pensky-Martens

Closed Cup

93°F (34°C)

Temperature Resistance

- Continuous Dry 350°F (177°C)
- Immersion/Condensing Vapors 130°F (54°C)

Shelf Life

Shelf life for material:

- 10 months @ 40°F to 70°F (4°C to 21°C)
- 6 months @ 80°F (27°C)
- 3 months @ 90°F (32°C)

MIXING RATIO:

2 fl. oz. of #3R Hardener for each gallon of CEILCOTE 252 FDA FLAKELINE coating.

Thinning:

DO NOT THIN

COVERAGE:

Actual coverage is 25 to 35 ft.²/gal. (.6 to .86 m²/liter) at 35 mils which includes approximately 20% loss due to waste and overspray.

HANDLING PROPERTIES:

(Approximate Time)

	50 °F (10 °C)	73 °F (23 °C)	90 °F (32 °C)
Pot Life	1-1/2 hr.	1 hr.	45 min.
Recoat Time	12 hrs.	4 hrs.	3 hrs.
Cure Time	48 hrs.	24 hrs.	16 hrs.

PACKAGING:

Available in 5 gallon (U.S.) units

LIMITATIONS:

Do not apply CEILCOTE 252 FDA FLAKELINE coating when the surface temperature is below 50°F (10°C) or over 110°F (43°C). Store in a cool, dry place, away from fire hazards.

CEILCOTE 252 FDA FLAKELINE coating should be recoated within two (2) weeks to assure proper adhesion of topcoat to base coat. For longer exposures, confirm recoatability by wiping the coating with styrene. If surface becomes "tacky", adhesion is acceptable. If not softened by styrene, surface must be abrasive blasted or mechanically abraded to provide a non-glossy, rough surface.

APPLICATION: (abbreviated)

Detailed installation is contained in the Installation Procedure for CEILCOTE 200 FLAKELINE SERIES 2.2I.

Application Equipment:

Use air spray or low pressure (4:1 or 8:1) pump. Airless spray equipment is normally not recommended. For complete details, refer to CEILCOTE 200 FLAKELINE SERIES Installation Procedure.

Surface Preparation:

Metal:

For immersion or intermittent splash and spillage conditions abrasive blast to "White Metal" in accordance with Steel Structures Painting Council Specifications (**SP-5-89 or NACE Specifications #1**). For fumes and dry environments, abrasive blast to "Near White" in accordance with **SP-10-89 or NACE #2**. Minimum profile of 3.0 mils is required.

Concrete:

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

Primers:

For Steel Surfaces:

CEILCOTE 370 PRIMER

For Concrete Surfaces:

- CEILCOTE 380 PRIMER
- CEILCOTE 380C (Conductive) PRIMER

(Use when spark testing/high voltage holiday testing will be conducted on concrete.)

APPLICATION (Abbreviated), continued:

Placement:

Mechanically premix each component (i.e., CEILCOTE 252 FDA FLAKELINE coating liquid and hardener) individually prior to blending together. After initial mixing, add hardener to liquid and mix for two more minutes to ensure that the hardener is well dispersed.

CEILCOTE 252 FDA FLAKELINE coating may be applied by conventional spray, brush or roller.

Number of Coats and Thickness:

Requires application of 20 to 32 mils wet film thickness to achieve 15 to 25 mils dry per coat. Minimum 2 coats is normally required.

Conventional Air Spray:

Use Binks 18 or 62 spray gun; minimum 3/8" ID. fluid line with #66 (.070) fluid tip and needle with 67 PD air cap. Adjust fluid pressure to provide adequate material to spray gun and use minimum atomization pressure to break up and flow out with minimum overspray.

Airless Spray:

Normally not recommended. Consult Master Builders, Inc.

Brush or Roller:

Generally requires additional applications on vertical surfaces to obtain the recommended millage. Use short nap rollers and medium stiff natural bristle brushes.

CLEAN UP:

Use T-410 Solvent, methyl ethyl ketone or lacquer thinner.
DO NOT USE ACETONE SOLVENT.

SAFETY:

- CEILCOTE 252 FDA FLAKELINE coating contains polyester resins, styrene monomer and inert flake fillers. The hardener is an organic peroxide. The product's components have been formulated to optimize physical lining characteristics 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 252 FDA FLAKELINE coating 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.
- These products are for industrial and professional use only; application directions must be followed.

For more information, contact your local Master Builders Representative.

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