

CEILCOTE® 600 LSE FLAKELINE®

Amine adduct cured epoxy

DESCRIPTION:

CEILCOTE 600 LSE FLAKELINE is a low surface energy, flake-reinforced, epoxy coating which exhibits “non-stick” properties. It provides excellent resistance to a wide range of chemicals including alkalis, inorganic acids and many aromatic and aliphatic solvents. Unique curing systems allow application at temperatures well below freezing. The “non-stick” properties result in the reduction of deposit build-up on the coating from chemical processes, thereby, preserving their efficiency and reducing the time and effort in their maintenance.

TYPICAL USES:

- Lining for use in immersion service subjected to slurry deposits.
- Coating for use in operations exposed to process build-up or sticking.

ADVANTAGES:

- Low Surface Energy
- Low temperature cure
- Reduce build up

COLOR:

White

PHYSICAL PROPERTIES:

Viscosity [77°F (25°C)] 900 ± 200 cps

Density (Wt./Gallon) 10.3 ± 0.2 lbs

Flash Point

(Pensky-Martens Closed Cup) Part A - 35°F (2°C)

Service Temperature Limits: (continuous)

Immersion/Condensing Fumes 120°F (49°C)

Dry/Noncondensing Fumes 220°F (105°C)

Number of Coats and Thickness:

Each coat requires application of 7 - 9 mils wet film thickness to achieve 6 - 8 mils dry.

Shelf Life:

One (1) year at temperatures below 90°F (32°C)

Coverage:

Actual coverage is 120 - 130ft²/gal (2.9 - 3.2 m²/litre) @ 8 - 10 mils (one coat) which includes approximately 20% loss due to waste and over spray.

Handling Properties:

(Approximate Time)

	50°F (10°C)	73°F (23°C)	90°F (32°C)
Working Time	3 hrs	2 hrs	45 min.
Recoat Time	15 hrs	4 hrs	3 hrs
Cure Time	18 - 24 hrs	6 - 12 hrs	4 hrs

PACKAGING:

Available in 4 gal unit

LIMITATIONS:

CEILCOTE 600 LSE FLAKELINE and CEILCOTE 600 FLAKELINE must be recoated within seven (7) days when shaded from sunlight. Confirm recoatability by wiping with toluene solvent.

STORAGE:

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

APPLICATION:

Surface Preparation:

Steel - For immersion or high temperature service, a “White Metal” abrasive blast (**SP-5-63-89** or **NACE Specification #1**) is required with an anchor pattern profile of 2 - 4 mils. For atmospheric service, use a “Near White” abrasive blast (**SSP #10** or **NACE #2**).

Concrete - Abrasive blasting or scarification to remove laitance and surface contaminants is recommended. Concrete must meet **Ceilmote Concrete Spec. CPT-1**.

Primers

For Steel Surfaces

CEILCOTE 675 FLAKEPRIME

For Concrete Surfaces

CEILCOTE 680 PRIMER

CEILCOTE 680C (Conductive) PRIMER

Mix and apply primer per instructions.

Placement

Add Catalyst Part B into Resin Part A and mix thoroughly with mechanical agitation. Material will become much thinner when mixed. **OBSERVE POT LIFE LIMITATIONS.** If material thickens in pot, discard material and flush pot and lines. **CEILCOTE 600 FLAKELINE can be used as the Basecoat. Use CEILCOTE 600 LSE FLAKELINE as the Topcoat.**

Spray application is recommended. Small areas may be coated by brush or roller.

Basecoat - Apply CEILCOTE 600 FLAKELINE at 7 - 9 mils wft to yield 6 - 8 mils dft. Allow to harden.

Topcoat - Apply CEILCOTE 600 LSE FLAKELINE at 7 - 9 mils wft to yield 6 - 8 mils dft.

Thinning - Generally not required. May use up to 4 oz. of MEK per gallon at temperatures below 70°F (21°C). Use T-460 Solvent at temperatures above 70°F (21°C).

Conventional Spray - Use Binks 18 or 62 spray gun, 66 Spray tip and needle with 63 PM, 63 PB or 63 PK aircap or other manufacturer's equivalent. Use pressure pot with 3/8" fluid line (maximum 30 feet length) or 1/2" ID fluid when spraying at heights or where 50 feet hose length is required.

For high volume or long distance applications, a 4:1 or 8:1 ratio pump can be used to provide material to the spray gun. Adjust fluid pressure to provide adequate material to spray gun and use a minimum atomization pressure to break up and flow out with a minimum overspray.

Airless Spray - Minimum 28:1 ratio pump with a 3/8" fluid line. A 60 mesh screen is recommended and a Graco Reverse - A - Clean type tip to eliminate possible plugging. Tungsten Carbide tips are recommended with orifice sizes of 0.018 to 0.035 inch. Adjust outbound pressure between 2,000 to 3,000 psi to obtain a suitable spray pattern.

Brush or Roller - Generally requires additional applications 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.

SAFETY:

CEILCOTE 600 LSE FLAKELINE contains epoxy resins, polyamide catalyst and aromatic solvent. 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 600 LSE FLAKELINE materials, always wear gloves and appropriate work clothing to minimize contact. Ventilation is required with special consideration for enclosed or confined area. Air movement must be designed to insure turn-over 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 and Installation Procedures are available and should be consulted when handling products. These products are for industrial and professional use only; application directions must be followed.

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