

CEILCOTE® 200MR FLAKELINE® SERIES

Mat reinforced lining

DESCRIPTION:

Mat reinforced CEILCOTE 200MR FLAKELINE Series systems are intermediate lining/flooring products designed to handle a wide range of chemical resistance requirements. They can provide a relatively low cost alternate to heavy-duty linings of flooring systems, but offer more protection than thin-film coating systems. Mat reinforced CEILCOTE 200MR FLAKELINE Series may be applied to metal or concrete substrates.

TYPES:

- CEILCOTE 211 FLAKELINE is a thermosetting polyester formulation which resists a wide range of acids and salts.
- CEILCOTE 232, 222HT & 222GF FLAKELINE are vinyl ester resin formulations which resist a wide range of strong acids. They also have excellent alkali, solvent and organic resistance.
- CEILCOTE 242 FLAKELINE is a vinyl ester which resists a wide range of acids and many organic solvents.
- CEILCOTE 251/252 FLAKELINE is a thermosetting polyester formulation which resists a wide range of acids, salts and mild alkali solutions.
- For specific recommendations, refer to the Ceilcote Master Corrosion Resistance Guide or consult your local representative.

TYPICAL USES:

- Vaults
- Floors
- Dikes
- Tanks
- Containment pits
- Trenches

ADVANTAGES:

- Trowel applied basecoat to reduce permeation and provide a continuous bond to the substrate.
- Glass mat reinforced to reduce coefficient of expansion and provide structural support for the entire system.
- Flake reinforced topcoat to provide broad-based chemical resistance with extremely low permeation.

COLORS:

Varies - see technical data sheet for specific CEILCOTE 200MR FLAKELINE Series used.

PHYSICAL PROPERTIES:

Flash Points:

(Pensky-Martens Closed Cup):	
CEILCOTE 370 PRIMER	73°F (23°C)
CEILCOTE 380 PRIMER	83°F (28°C)
CEILCOTE 200MR FLAKELINE	91°F (33°C)

Basecoat/ Saturant:

(CEILCOTE 2500/25 resin)	
#3C/3R Hardener	210°F (97°C)
#2C/2R Hardener	175°F (79°C)
CEILCOTE 252 FLAKELINE	93°F (34°C)
CEILCOTE 222HT & GF FLAKELINE	89°F (32°C)
CEILCOTE 232 & 242 FLAKELINE	83°F (28°C)

Coverage:

CEILCOTE 370 PRIMER (steel)
250 - 300 ft²/gal (23 - 28m²/3.8 liter)

CEILCOTE 380 PRIMER (concrete)
150 - 200 ft²/gal (3.7 - 4.9 m²/liter)

Basecoat/saturant

(Ceilcrete 2500/Lining 25) 25 - 30 ft²/gal (.6 - .73 m²/litre)

S-1 powder - 100 ft² per 50 lb bag (9.3 m²/bag)

Mat Reinforcement

(1-1/2 oz. mat) - 1.1 x total ft²

Topcoat

(CEILCOTE 200MR FLAKELINE Series)

60 ft²/gal @ 15-20 mils. (1.5 m²/litre)

Mixing Ratio:

CEILCOTE 370 PRIMER: 2 oz of #3C Hardener/gal
 CEILCOTE 380 PRIMER: 2-1/2 oz of #2C Hardener/gal
 (CEILCOTE 380/652/695BC resin)
 CEILCOTE 380C PRIMER: 5 oz of #2C Hardener/gal
 CEILCOTE 200 MR liquid: 2 oz of #3C Hardener/gal
 (CEILCOTE 2500/25 Resin)

Topcoat: See Product Data sheet for specific product

Handling Properties:

(Approximate Time)	50°F (10°C)	73°F (23°C)	90°F (32°C)
Cue Time to Handle	24 hrs.	6-8 hrs.	4-6 hrs.
Full Cure	48 hrs.	24 hrs.	16 hrs.

Shelf Life:

Shelf life of all liquid components at 40°F (4°C) to 70°F (21°C) is six months; at 80°F (27°C), three months; and at 90°F (32°C), 30 days or less. Shelf life on CEILCOTE 222HT, 222GF & 232 FLAKELINE is two months at 80°F (27°C) or less. Due to the limited shelf life Master Builders will not warranty the shelf life of CEILCOTE 222HT, 222GF & 232 FLAKELINE and will not accept return of this material. Powders are stable indefinitely if kept dry.

PACKAGING:

CEILCOTE 370 PRIMER (steel) 1 & 5 gal units
CEILCOTE 380 PRIMER (concrete) 1 & 5 gal units
CEILCOTE 380C (Conductive) PRIMER 1 & 5 gal units
CEILCOTE 200MR Basecoat/saturant
(CEILCOTE 2500/25 resin) 1 & 5 gal units
S-1 powder 50# bag
1-1/2 oz. mat As required by sq.ft.
Topcoat Please refer to Tech Data Sheets

LIMITATIONS:

All items must be kept in closed containers and stored at temperatures between 60°F (16°C) and 80°F (27°C). Keep materials away from all fire hazards and out of direct sunlight. CEILCOTE 222HT, 222GF & 232 FLAKELINE must be recoated within 7 days when shaded from sunlight. If the coating is applied in sunlight (even on cloudy days) it must be recoated within 4 hours to obtain proper intercoat adhesion. Due to its limited shelf life and significant temperature effects, Master Builders cannot warranty the shelf life of CEILCOTE 222HT, 222GF & 232 FLAKELINE and cannot accept return of these materials.

APPLICATION:

Before installation, consult Master Builders Installation Procedure #1.6I for specific application and testing of this material.

SAFETY:

CEILCOTE 200MR FLAKELINE Series contains resins and styrene monomer. The hardener is an organic peroxide. 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 Master Builders CEILCOTE 200MR FLAKELINE Series materials, always wear gloves and appropriate work clothing to minimize contact. Ventilation to maintain vapor concentrations below 100 ppm is required unless organic cartridge or fresh air hoods are used. 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, and eliminate sources of ignition from work area and containers with residues.

Observe safe storage practices by separating resins from hardeners, by keeping solvents and hardeners in a cool area free of sources of ignitions, and by observing a special Master Builders warning on **RED** and **YELLOW** labeled products. The Master Builders **RED** label represents amine-type chemicals and the Master Builders **YELLOW** label represent organic peroxide-type chemical which should not be stored adjacent or mixed together because of the possible violent reaction between them.

NOTE: THE ABOVE WARNING DOES NOT REFER TO DOT DIAMOND SHAPED SHIPPING LABELS-ONLY TO MASTER BUILDER LABEL COLORS.

Fumes from the application of this system may impart taste or odor to foods or other materials. Consult Master Builders for procedures on handling CEILCOTE 200MR FLAKELINE Series in areas containing foods.

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.

Master Builders, Inc. United States

23700 Chagrin Boulevard
Cleveland, Ohio 44122-5554
(800) MBT-9990
Fax (216) 831-6910

Canada

3637 Weston Road
Toronto, Ontario M9L 1W1
(800) 387-5862
Fax (416) 741-7925

Mexico

Blvd. M. Avila Camacho 80, 3er Piso
53390 Naucalpan, México
011-525-557-5544
Fax: 011-525-395-7903