



CEM250

Two-component Polymer Modified Cementitious Repair Mortar, 10-12 mm Repair Thickness

PRODUCT DESCRIPTION

CEM250 is a two component, polymer modified cementitious repair mortar consists of blend of ordinary Portland cement, special fillers, additives in the powder form and bonding admixture EB550 SBR in the liquid form.

Both components of CEM250 when mixed produce a patch that will go from featheredge to approximately 3/8" (10 to 12 mm) deep in one application.

FIELDS OF APPLICATION

CEM250 offers superior bonding power to patch spalled concrete floors, walls, sidewalks, driveways, warehouse floors, steps, etc.

It is also excellent for levelling and smoothing concrete floors prior to the installation of vinyl tile, linoleum sheet flooring, carpet and ceramic tiles.

PRODUCT FEATURES

- Two-component ready-to-use work packs that needs no water mixing.
- Excellent superior bonding power.
- Repairs made possible from featheredge up to 12 mm deep.
- Excellent mechanical strength.
- Used also as leveling compound.
- Fast set installation.
- Durable repairs.

PACKAGING

| Product | Packaging |
|-----------|-------------------------|
| CEM250 | 50 Lb (22.7 Kg) Bag |
| EB550 SBR | 1 Gal (3.785 Liter) Jug |

TECHNICAL DATA

Mixed Density: 14.6 Lb/gal (1.760 Kg/L)

Compressive Strength: ASTM C-190

| | |
|--------------------|-----------|
| 3 days, Psi (MPa) | 2940 (20) |
| 7 days, Psi (MPa) | 3970 (27) |
| 28 days, Psi (MPa) | 5150 (35) |

Tensile Strength: ASTM C-190

| | |
|--------------------|-----------|
| 7 days, Psi (MPa) | 200 (1.4) |
| 28 days, Psi (MPa) | 480 (2.4) |

Curing:

| | |
|---------------------------|------------|
| Pot life at 77°F (25°C) | 25 minutes |
| Initial set | 1 ¼ hours |
| Final set | 3 hours |
| Curing Light Foot Traffic | 24 hours |
| Normal Traffic | 48 hours |

APPLICATION DATA

Limitations:

- Do not allow CEM250's liquid component EB550 SBR to freeze.
- Do not install CEM250 in thickness greater than 25 mm in one application.

Coverage: estimations of required quantities of CEM250 can be made as follows:

- Do not allow CEM250's liquid component EB550 SBR to freeze.
- Do not allow CEM250's liquid component EB550 SBR to freeze.
- 50 lb bags covers approximately 11 ft² for ½ in thickness.

Surface Preparation: all surfaces to receive CEM250 must be clean and free of all dust, paint, sealers, curing compounds, or any other anti-adherents. Surfaces must be primed with EB550 SBR liquid bonding admixture, let stand to a tacky condition, and then apply the repair mortar.

Note: Do not let primer dry clear.

Mixing: mix CEM250 with a slow speed electric drill and mixing blade. Small quantities may be mixed by hand with a trowel. Pour ¾ of the liquid component EB550 SBR into the clean container and gradually add the powder component to the liquid while the mixer is running. Add the remaining liquid as needed to achieve the desired trowel or brush consistency. Continue mixing for 1-2 minutes to ensure that the ingredients are thoroughly blended. Do not mix more CEM250 than can be applied in one hour.

Application: before starting the application, dampen the surfaces with potable water. Pick-up excess moisture. Prime the substrate with EB550 SBR liquid bonding admixture let stand to a tacky condition. Do not let primer coat dry clear.

Use a steel trowel with sufficient pressure to fill surface holes and voids to ensure maximum bond of the CEM250 with the surface. A broom, or steel travel finish may be applied to the surface.

For large areas, screed the surface level before finishing. Excessive troweling weakens the CEM250 and affects the durability of the material. Brush CEM250 slurry to fill voids when it is used as a bonding primer. Cool conditions may lengthen the drying time.

Curing: areas repaired with CEM250 may be opened to light foot traffic in 24 hours, and normal traffic in 48 hours under normal drying conditions.

Protect exposed surfaces from excessive heat and cold. Cover surfaces with wet burlap and keep damp for at least 24 hours.

CLEANING

Clean mixing and application tools and equipment with water immediately after use. CEM250 is a cementitious product containing a liquid bonding admixture. If allowed to dry, removal becomes very difficult.

STORAGE

Store CEM250 in cool dry storage facilities. Do not expose to direct sunlight. The shelf life of CEM140 is minimum 1 year if stored in a cool dry place in its original unopened container.

SAFETY PRECAUTIONS

CEM250 is a non-flammable and non-toxic in nature. Avoid contact with eyes and skin as it may cause irritation due to its alkaline nature. Splashes of CEM250 should be washed off immediately with clean water. Wear necessary gloves and dust mask.

TECHNICAL ASSISTANCE

Please contact International Chem-Crete Corporation for Technical Personnel.

WARRANTY

LIMITED WARRANTY: International Chem-Crete Inc. warrants that, at the time and place we make shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

DISCLAIMER: The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. International Chem-Crete Inc. is not under any circumstances liable to connection with the use of information. As International Chem-Crete Inc. has no control over the use to which others may put its products, it is recommended that the products be tested to determine the suitability for specific applications and/or our information is valid in particular circumstances. Responsibility remains with the architect or engineer, contractor and owner of the design, application and proper installation of each product. Specifier and user shall determine the suitability of the product for specific application and assume all responsibility in connection therewith. AM230319

Manufactured By:



International Chem-Crete Inc., 800 Security Row, Richardson, TX 75081, U.S.A
Tel: (972) 671-6477, Fax: (972) 238-0307
contactus@chem-crete.com www.chem-crete.com