

FLOORTOP 200

POLYMER MODIFIED TOPPING MORTAR

FLOORTOP 200 is a polymer modified cementitious mortar designed for use as a floor or deck topping at thicknesses of 1.6 to 12.7 mm. It is formulated to incorporate liquid latex technology, which provides excellent durability under freeze-thaw cycling as well as protection against ingress by water and deicing salts. **FLOORTOP 200** is easy to work with at a high slump consistency.

PRIMARY APPLICATIONS

- Parking decks
- Docks
- Ramps
- Curbs and gutters
- Floors
- Marine structures
- Joints
- Pavements

FEATURES / BENEFITS

- Provides a strong, wear resistant thin overlay
- Excellent durability under freeze/thaw cycling
- Resists penetration of water and deicing salts for good substrate protection
- Excellent bond to properly prepared sound concrete.
- Easy to use two part system.
- Suitable for both indoor and outdoor use.

PACKAGING / YIELD

One unit of **FLOORTOP 200** yields 0.012 m³ of topping mortar. Coverage is 1.91 m² at 6.3 mm thickness. **FLOORTOP 200** is packaged in units containing 20 kg of powder and 3.8 ltrs. of **FLOORTOP 200 LIQUID**.

SPECIFICATIONS / COMPLIANCES

FLOORTOP 200 meets the bond strength requirements of ASTM C-1059-86, Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete, Type II.

TECHNICAL INFORMATION

Typical Engineering Data Compressive Strength

ASTM C-109, 50 mm Cubes

Age	Strength
1 day	2,000 psi (13.8 MPa)
3 days	3,000 psi (20.7 MPa)
7 days	4,000 psi (37.6 MPa)
28 days	5,200 psi (35.9 MPa)

Flexural Strength

28 days 1,600 psi (11 MPa)

Bond Strength

14 days 1,500 psi (10.3 MPa)

Unit Weight

ASTM C-138
128 pcf (2051 kg/m³)

Strain capacity in compression : 5 microns/mm

Appearance - FLOORTOP 200 is free flowing powder designed to be mixed with a white latex liquid (**FLOORTOP 200 LIQUID**). After mixing and placing, the color may initially appear darker than the surrounding concrete. While this color will lighten up substantially as the **FLOORTOP 200** cures and dries out, the repair may always appear somewhat darker than the surrounding concrete.

This product is designed for finishing with a float or broom.

DIRECTIONS FOR USE

Surface Preparation - If a slurry coat is used, the concrete must be a minimum of 3 days old and must be textured at the time of placement to secure a good mechanical bond of the topping. If the new concrete is not finished with an appropriate texture, follow surface preparation procedures below for old concrete. Old concrete must be clean and rough. All oil, dirt debris, paint and unsound concrete must be removed.

The surface must be prepared mechanically using a scabber, bushhammer, shotblast or scarifier which will give a surface profile of a minimum 3 mm and expose the large aggregate of the concrete. The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing. All concrete must possess

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an open surface texture with all curing compounds and sealers removed.

Joints and Edges - Edges should be sawcut to 6 mm deeper than the topping thickness and notched at the edge of the overlay to provide a locked in degree. Chip the edge with a hand held chipping hammer to provide the wedge shaped notch. Moving joints as in the case of expansion joints should be brought up through the overlay by sawcutting or with the use of a divider strip.

Bonding -After the surface has been prepared, prime all areas with either a slurry coat of **FLORTOP 200** or an epoxy bonding agent such as EPOMORT 1000.

Note : For extended working time, epoxy type bond strengths and/or corrosion protection of reinforcing steel, use EPOCHEM cement/epoxy compound as a bonding agent and a protective coating for rebar. Follow mixing and placement instructions on the respective product technical data sheet. The primer bonding agent must be ordered separately.

Mixing - Small quantities may be mixed with a drill and "jiffy" mixer. Use a paddle type mortar mixer for large jobs. Add the appropriate amount of mixing liquid for the batch size and then add the dry product. Mix for a minimum of 3 minutes. The mixed product should be quickly transported to the repair area and placed immediately.

Placement - Discharge material from mixer and place onto floor. For patching, spread with a trowel, come-a-long, or square tipped shovel to a thickness that matches the surrounding concrete. Finish by hand trowelling.

On large floor areas, use screed strips as guides in combination with vibratory screeding to level. Compact and finish by hand or machine trowel.

Finishing - Finish the topping to a float or broom texture. Do not add additional water to the surface during the finishing operation. If additional liquid is required, use **FLORTOP 200 LIQUID** or CEMTEC RETARDANT finishing aid.

Curing and Sealing - Proper curing procedures are important to ensure the durability and quality of the topping. To prevent surface cracking, cure the **FLOORTOP 200** with a high solids curing compound, such as SUPER KURECOTE 75 VOX XTRA. Do not use a solvent based curing compound on this product. In hot, windy or direct sunlight situations, rewet the surface and cover with polyethylene for a minimum of three days. Curing compound must be ordered separately. If a curing compound is not desired, wet cure for a minimum of 3 days.

CLEAN-UP

Clean tools and equipment with water before the material hardens.

PRECAUTIONS / LIMITATIONS

- Do not use material at temperature below 7°C.
- No heavy traffic until the product has cured.
- Store in a dry place above freezing.
- Keep liquid and powder off of skin and out of eyes. Wear protective clothing and eyewear.
- Do not add admixtures, sand or aggregate to system.

QUALITY STATEMENT

CMCI manufacture its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with Quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products. CMCI also offers full technical field support to consultants, Architects, Contractors, applicators and End Users

The Technical Specification information and recommendation given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product. CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.