



## Medium Bed Mortar for Heavy Tile



### DESCRIPTION:

SuperSet® Large Format Medium Bed Mortar is a modified portland cement based mortar designed for setting Porcelain, Ceramic or Quarry tiles over concrete and is formulated to meet ANSI A118.4. Installations must conform to the current specifications in ANSI A108.5 and the TCA Handbook for Ceramic Tile Installation.

### SURFACE PREPARATION:

1. Apply only to surfaces that are frost free and will be above 50 degrees F (10°C) for 72 hours. Surfaces must be clean, hard and free from dirt, loose particles, wax, sealers, curing compounds, grease, efflorescence, etc. New slabs should be steel troweled with a fine broom finish and fully cured. Floors must be structurally sound, level, free from movement and dimensionally stable.
2. Expansion joints are necessary: interior installations every 20 to 25 feet and exterior every 8 to 12 feet.

### MIXING:

1. Use cool, clean water (drinking water is best), clean tools and clean containers.
2. Add just enough dry powder to the liquid to have a stiff, dry consistency (approximately 1 ¼ gallons or 5 litres per 50 lb. bag). Too much liquid will cause the mortar to have reduced strength. Troweled ridges should not flow or slump.
3. Mix thoroughly to a lump-free, trowelable consistency. **Let stand 10 minutes to give all the chemicals time to slake (wet out). Remix and then use.**
4. Do not add more liquid or Thin Set material after slaking.
5. If using a mechanical mixer, do not exceed 150 rpm to avoid whipping air into the mix which will reduce the strength of the mortar.
6. Working life in the bucket is approximately 1 to 2 hours depending on temperature.

## APPLICATION:

1. The proper trowel is one that will ensure a minimum of 3/32 inch layer of mortar between the tile and the substrate after the tile has been set. The proper trowel should result in a minimum of 80% coverage. 100% when used for exterior applications.
2. With pressure, apply a skim coat to the substrate with the flat edge of the trowel.
3. Comb the mortar in one direction, with the recommended notched trowel, only the part of the bed that can have tile put on it before skinning occurs. If skinning occurs, scrape and discard the skinned mortar.
4. Apply to an area that can tiles can be set in not more than 15 minutes otherwise skinning and subsequent tile failure may occur.
5. Press tile into place and slide perpendicular to the ridges to ensure proper coverage.
6. Tile may be adjusted up to 10 minutes after placing.
7. Tile must be firmly set before grouting, minimum 24 hours; recommended 48 hours.
8. Grout with SuperSet Unsanded or Sanded grout.
9. Clean all tools with soapy water before mortar dries.

## COVERAGE:

Coverage depends on the type and condition of the trowel used and the condition of the substrate. Estimated coverage for a smooth, flat, level substrate at 3/8" thickness using a 1/2" x 1/2" x 1/2" trowel – 15 to 20 square feet per 50 lb. bag. *Note: Uneven floors will result in considerably less coverage and will also limit the maximum size/weight of tile that can be set using this product. The ANSI (American National Standards Institute) specification for the installation of large format ceramic tile recommends that the substrate have no more than a 1/8" variance in 10'; with no more than 1/16" variation in 24".*

## SAFETY:

Read and understand the instructions on the bag before using this product. Keep out of the reach of children. Use adequate Personal Protective Equipment and avoid inhalation and contact with bare skin.

## STORAGE:

Store in a dry area, keep out of direct sunlight. The shelf life is six months from the date of manufacture when stored in the original closed container away from moisture.

## WARNING!

**KEEP OUT OF REACH OF CHILDREN AND ANIMALS. MAY CAUSE SKIN AND EYE BURNS OR IRRITATION. INHALATION IS KNOWN TO CAUSE CANCER OR DELAYED LUNG INJURY.** Avoid contact with eyes and skin. This product contains hydraulic cement and lime. When mixed with water and/or latex, it results in a solution that is highly alkaline and may burn or irritate the eyes or skin. Wear safety glasses or goggles, protective clothing, shoes and gloves to prevent eye and skin contact. Do not take internally. Avoid breathing dust. This

product contains crystalline silica. Prolonged exposure to crystalline silica dust is known to cause lung cancer or delayed lung injury, including silicosis. Take measures to eliminate or control dust while handling or placing this product. Wear a respirator approved for protection against crystalline silica dust. **Warning! Crystalline silica has been classified by IARC and NTP as a carcinogen.**

**FIRST AID:** If swallowed, drink one or two glasses of water to dilute. Do not induce vomiting unless directed to do so by medical personnel. **SEEK IMMEDIATE MEDICAL ATTENTION.** In case of contact, flush eyes or skin thoroughly for a minimum of 15 minutes with clean water and get prompt medical attention. Wash clothing and thoroughly clean shoes before reuse.

#### **ENVIRONMENTAL ADVISORY**

Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.

#### **LIMITED 1 YEAR WARRANTY**

Superset Caribbean Limited (SCL) warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. SCL will replace any product or part, which proves defective due to quality of ingredients used or due to the manufacturing process itself. This Warranty shall apply only if the product is used in strict accordance with applicable specifications and instructions provided by SCL for its use, and SCL shall not be liable otherwise. Replacement of any defective product, or, at SCL's option, refund of the purchase of any defective product shall be the buyer's sole remedy under this Warranty, and SCL shall in no event be liable for any damages in excess of the purchase price of the defective product. SCL SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES. This warranty constitutes the sole warranty given by SCL in connection with this product, and SCL has authorized no person to make or give any other warranties or representation, oral or written on its behalf. IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No modification of this warranty in favour of any buyer shall be valid unless given in writing and signed by an officer of SCL.

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