



HIGH STRENGTH CONCRETE

ProMasonry High Strength Concrete is a blend of Portland cement, sand and stone that meets or exceeds ASTM C387 specification for compressive strengths when used as directed.

SUGGESTED USES

- Footings, foundations, steps, sidewalks, post holes, patios, floor slabs or any general concrete applications where a thickness greater than 2 inches (50 mm) is required.

PREPARATION

- Compact and moisten the base material.
- Place forms and reinforcing steel as needed.
- When repairing concrete, remove all loose and/or deteriorated material as well as any surface contaminants such as oil, paint, grease, etc.

MIXING

- Empty the contents of the bag into a clean wheelbarrow, mortar box, mechanical mixer or other mixing vessel.
- Form a crater with a shovel or hoe in the center of the dry mix. Pour the recommended 3.5 quarts (3.3 L) of clean potable water into the crater.
- **Caution** – An excessive amount of water will weaken the mix and can result in cracking. Add small quantities, 1 pint (0.5 L) or less, of water and thoroughly mix to reduce stiffness.
- **For hand mixing** – Blend dry mix with a shovel or hoe from the outer edges working the material towards the center. Continue mixing until all free water is used and all the aggregate is uniformly coated with cement.
- **For mechanical mixing** – Mix the material for three minutes.

PLACEMENT

- Place material until it slightly overfills the forms.
- Consolidate to remove any voids by using manual or mechanical vibration.
- Strikeoff with a screed or straight edge board.

FINISHING

- Allow bleedwater to evaporate before finishing.
- Use a float to achieve a smooth finish or a broom for a rougher surface.
- **Caution** – Overworking could weaken the surface and result in cracking, dusting or scaling.

CURING

- Dampen with a fine mist of water for 24 hours or moist cure with wet burlap and polyethylene.
- Alternatively, apply **ProMasonry Cure & Seal**.
- Protect from direct sunlight, wind, rain and frost during the curing period.

CLEAN UP

- Clean tools and equipment with water immediately after use.
- Cured material will need to be mechanically removed.



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TCC MATERIALS

PROMASONRY®
PROFESSIONAL QUALITY CEMENT PRODUCTS



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TECHNICAL DATA

Physical state and appearance		Dry powder with aggregate
Base		Portland cement
pH	Wet mix	> 12
Aggregate type		Concrete sand with 3/8 inch pea stone
Slump	ASTM C143	2 inch (50 mm) – 3 inch (76 mm) @ 3.5 quarts (3.3 L) – water/bag
Compressive strengths – psi		7 Days 2,700 (18.6 MPa) 28 Days 4,000 (27.6 MPa)

YIELD

- One 80 lb. (36.3 kg.) bag yields approximately 0.6 cu. ft. (17.0 L).

CAUTION

- May cause eye and skin irritation.

HEALTH AND SAFETY

- Product is alkaline.
- Do not ingest.
- Avoid breathing dust.
- Avoid contact with skin and eyes.
- Refer to Material Safety Data Sheet (MSDS) for additional information.
- Keep out of reach of children.

FIRST AID

- In case of skin contact, wash thoroughly with soap and water.
- For eye contact, flush immediately with a high volume of water for at least 15 minutes and contact a medical professional.
- For respiratory problems remove person to fresh air.

DISPOSAL

- Dispose of material in accordance with local, state or federal regulations.

MANUFACTURER'S LIMITED WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

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