

Hypercrete

Multi-purpose, quick-setting concrete

1. PRINCIPAL USE

- 1.1. Hypercrete Bomix® is a specialized concrete mix that hardens in 25 minutes.
- 1.2. Very easy to use, it requires no mixing, simply pour the water and powder.
- 1.3. For indoor and outdoor use, it is ideal for all types of work requiring a concrete layer more than 5 cm (2 in) thick such as floors, sidewalks, etc.
- 1.4. According to the instructions for use, this concrete meet and even exceeds the ASTM C-387 standard for high early strength concrete.

2. INSTALLATION

2.1. SURFACE PREPARATION

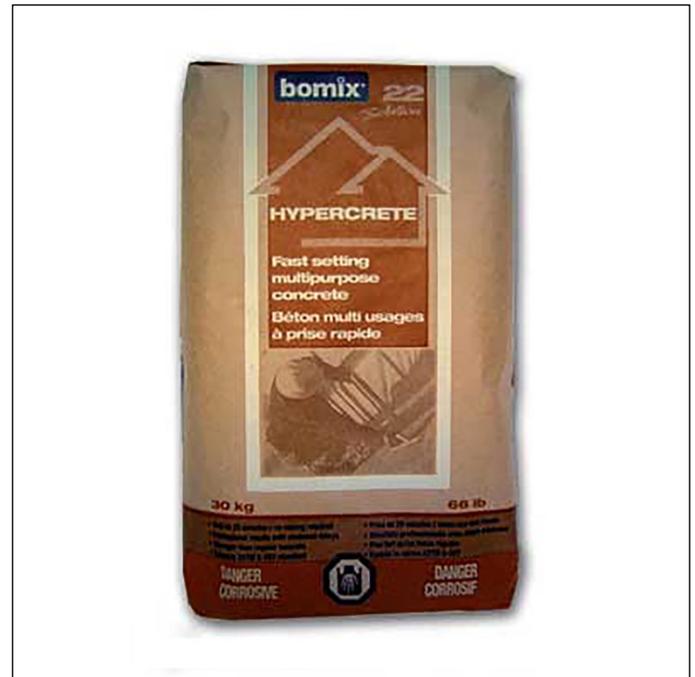
- 2.1.1. Surfaces to be covered must be structurally sound, clean and free of any material that could affect adhesion such as grease, dust, oil, paint or any other harmful substance.
- 2.1.2. Ensure that the ambient temperature, that of the surfaces and the products are between 5 °C (40 °F) and 35 °C (95 °F), during application and for a period of 48 hours following the latter.
- 2.1.3. Smooth surfaces must be mechanically scarified.
- 2.1.4. If necessary, construct a form to support the concrete.
- 2.1.5. Solidify the form to prevent any movement and caulk it to prevent any loss of moisture.
- 2.1.6. Moisten the form before installation.

3. APPLICATION

- 3.1. Fill the area to be repaired halfway with water. If water leaks, sprinkle Hypercrete Bomix® to seal leaks.
- 3.2. Do not apply more concrete than you can finish in 20 minutes. Divide larger areas into sections before pouring water to make finishing easier. Form if necessary.
- 3.3. Open the bag lengthwise and pour evenly and evenly over the entire surface of the water until completely absorbed. The level of the concrete should be slightly higher than the area to be repaired.
- 3.4. Press the mixture down with a board to eliminate air pockets.
- 3.5. Use the narrow side of the board to level the mixture.

4. FINISHING

- 4.1. Spray the surface with water to facilitate finishing.
- 4.2. For a rough effect, finish with a broom or wooden trowel. For a smooth finish, use a steel finishing trowel.



5. CURING

- 5.1. When using a form, allow the concrete to cure for 5 hours before demolding.
- 5.2. Wait 5 hours before allowing foot traffic.

6. CLEANING

- 6.1. Clean the equipment with water while the mixture has not yet hardened. Once the mixture has hardened, only mechanical cleaning will be effective.

7. STORAGE

7.1. INDOOR STORAGE

- 7.1.1. Store in a cool, dry place. Avoid placing the bags directly on the ground.

7.2. EXTERIOR STORAGE

- 7.2.1. Cover bags with waterproof wrap. Do not store directly on the ground.

7.3. LIFETIME

- 7.3.1. Storage time is 12 months in unopened, well-protected bags. Do not use a product that has agglomerations of hardened materials.

8. PACKAGING

- 8.1. Bomix® concrete mix is available in 30 kg (66 lb) bags).

9. FIRST AID

- 9.1. THIS PRODUCT CONTAINS PORTLAND CEMENT AND MAY CAUSE IRRITATION TO THE EYES, SKIN AND RESPIRATORY TRACT. Wear rubber gloves, safety glasses and approved dust mask. If swallowed, call a poison control center or doctor immediately. Do not induce vomiting.
- 9.2. In case of contact with eyes, rinse with water for 15 minutes. In case of contact with skin, rinse well with water. Keep out of reach of children. Before handling, read and understand the safety information on this label and on the Safety Data Sheet (SDS) available online at www.bomix.ca.

10. TECHNICAL SERVICES

- 10.1. Contact Bomix® for further information on application methods or conditions as well as to obtain the most recent version of the technical documents.

Tel: 1-800-561-2664, (514) 328-1253

Fax: (514) 328-7694

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<http://www.bomix.ca>

11. WARRANTY

- 11.1. You can obtain the terms of the applicable LIMITED WARRANTY at <https://www.bomix.ca/en/product-warranty.php> Or send a written request to Les Produits Daubois Inc., Five Concourse Parkway, Atlanta, GA 30328, USA . ©Quikrete Canada Holdings, Limited. Manufactured by or under the authority of Les Produits Daubois Inc. ©2024 Quikrete International, Inc.

Table 1 : Typical results¹

Characteristic	Standards	Term	Unit	Result
Initial setting time	ASTM C 191	-	minute	25
Final setting time	ASTM C 191	-	minute	55
Compressive strength	ASTM C 109	1 day	[MPa (Psi)]	20 (2900)
		7 days	[MPa (Psi)]	35 (5075)
		28 days	[MPa (Psi)]	45 (6525)
Volumic mass	ASTM C 185	-	[kg/m ³ (lb/ft ³)]	2100 (130)
Yield for one 30 kg (66 lb) bag	-	-	[m ³ (ft ³)]	0.017 (0.60)

1- Results obtained in the laboratory, at 23 °C, curing > 90% RH, for a standard sample, kneaded to obtain a slump between 51 to 76 mm (2 to 3 in).