

Postmix-30

Rapid-setting concrete without mixing for posts

1. PRINCIPAL USE

- 1.1. Postmix-30 Bomix® is a concrete mix specially designed to fix posts very quickly and without prior mixing.
- 1.2. Postmix-30 Bomix® can be used to fix wooden or metal posts such as: fence posts, basketball posts, swing posts, mailbox posts, etc.

2. INSTALLATION

2.1. SURFACE PREPARATION

- 2.1.1. For metal posts, coat the surface that will be below ground level with anti-rust paint or coating.
- 2.1.2. To ensure their longevity, wooden posts must be designed for outdoor use.
- 2.1.3. 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 it.
- 2.1.4. INTERIOR USE: Dig a hole with a depth equivalent to one third (1/3) of the total length of the post and a diameter of at least two and a half (2 1/2) times the diameter of the post. Compact the sides and bottom of the hole well.
- 2.1.5. OUTDOOR USE: Dig a hole at least 15 cm (6 in.) deeper than the frost line, i.e. a minimum of 122 cm (48 in.). Install a 15 cm (6 in.) base layer of Bomix® crushed stone to facilitate drainage.
- 2.1.6. Using a concrete cardboard tube can greatly reduce the risk of the post lifting caused by freezing and thawing of the ground.
- 2.1.7. For playground equipment posts (swing, basketball, etc.) or other specialized equipment, respect the hole dimensions required by the equipment manufacturer.

2.2. INSTALLATION

- 2.2.1. Place the post in the center of the hole and hold it vertically with the help of someone.
- 2.2.2. Prepare 3.5 liters (0.8 gallons) of potable water for each 30 kg bag.
Note: Soil conditions (humidity, permeability) may vary this amount.
- 2.2.3. Empty the water and Postmix-30 at the same time, distributing them as evenly as possible.
- 2.2.4. Another technique is to empty the water and Postmix-30 alternately.
- 2.2.5. Move the post in circular motions to remove air bubbles.
- 2.2.6. Align the post vertically and hold it firmly in place for approximately 45 minutes.
- 2.2.7. Level the surface using a scraper.



3. FINISHING

- 3.1.1. If desired, you can finish the concrete as soon as it has set (approximately 30 minutes).
- 3.1.2. For a rough finish, use a stiff-bristled broom or a piece of wood.
- 3.1.3. For a smooth finish, use a steel trowel.

4. PROTECTION AND CURING

- 4.1.1. Protect the surface from rain and wind for the first 24 hours.
- 4.1.2. Allow to cure for 24 hours before allowing heavy objects to be installed on the post.

5. CLEANING

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

6. STORAGE

6.1. INDOOR STORAGE

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

6.2. EXTERIOR STORAGE

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

6.3. LIFETIME

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

7. PACKAGING

7.1. Bomix® Postmix-30 is available in 30 kg (66 lb) bags.

8. FIRST AID

- 8.1. 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.
- 8.2. 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.

9. TECHNICAL SERVICE

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

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10. WARRANTY

10.1. 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	30
Final setting time	ASTM C 191	-	minute	45
Compressive strength	ASTM C 109	1 day	[MPa (Psi)]	10 (1450)
		7 days	[MPa (Psi)]	20 (2900)
		28 days	[MPa (Psi)]	26 (3770)
Volumic mass	ASTM C 185	-	[kg/m ³ (lb/ft ³)]	2350 (147)
Yield for one 30 kg (66 lb) bag	-	-	[m ³ (ft ³)]	0.013 (0.45)

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).