

Versafix

Fast-setting repair mortar

1. PRODUCT DESCRIPTION

1.1. PRINCIPAL USE

- 1.1.1. Bomix® Versafix is a fast-setting repair mortar (20 minutes) polymer-modified, designed for the repair of damaged concrete surfaces.
- 1.1.2. Its high polymer content gives it excellent adhesion properties as well as increased durability.
- 1.1.3. For interior and exterior use, Versafix is ideal for installing thick work where a quick cure time is essential such as for vertical repairs such as step corners or for repairing concrete with deep crevices.

1.2. ADVANTAGES

- Quick setting (20 minutes)
- Superior adhesion
- Can be applied up to a thickness of 75 mm (3 inches)

2. INSTALLATION

2.1. SURFACE PREPARATION

- 2.1.1. The 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, surface and product temperatures are between 5 °C (40 °F) and 35 °C (95 °F) during application and for a period of 48 hours following application.
- 2.1.3. Do not apply under blazing sun.
- 2.1.4. Before installation, moisten the surface well with clean water, making sure not to create accumulation.

3. MIXING

- 3.1. The mortar must be used within 10 minutes of mixing, discard unused material.
- 3.2. In a clean container, pour 188 ml (6.5 ounces) of water per kg of Versafix.
- 3.3. Gradually add the dry ingredients, stirring constantly to avoid hard clumps forming.
- 3.4. Stir for 2 to 3 minutes to obtain a homogeneous mixture.
- 3.5. For a large quantity, use a drill equipped with a paint mixer type agitator.
- 3.6. Proceed immediately to apply the product.

4. APPLICATION

- 4.1. Apply the mixture using a steel trowel to a maximum thickness of 75 mm (3 in). Proceed quickly to finishing.



5. FINISHING

- 5.1. Finish using a steel trowel.

6. PROTECTION AND CURING

- 6.1. Allow to mature for 3 hours before allowing light foot traffic. Increase curing time in cool weather.

7. CLEANING

- 7.1. Clean equipment, tools, mixer and containers with water while the mixture has not yet hardened. Once the mixture has hardened, only mechanical cleaning will be effective.

8. PACKAGING

- 8.1. This product is available in 5 kg (11 lb) and 15 kg (33 lb) containers.

9. STORAGE

9.1. INDOOR STORAGE

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

9.2. EXTERIOR STORAGE

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

9.3. LIFETIME

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

10. FIRST AID

- 10.1. **Important: Read the following carefully before using the product. WEAR WATERPROOF GLOVES, such as nitrile, eye protection and rubber boots. DANGER – CORROSIVE: CAUSES SEVERE BURNS AND SERIOUS EYE DAMAGE.** Do not rely on pain to detect cement burns. Portland cement may cause dermatitis or sensitization. Do not mix with other chemicals including acids and cleaners. Do not breathe or swallow dust. Do not allow product to contact eyes, skin or clothing.
- 10.2. Repeated and chronic inhalation of dust can cause lung damage and even cancer.
- 10.3. Handle with Care. Wash contaminated body and clothing immediately and thoroughly. Use only in an area with good ventilation. Wear a CSA approved respirator (mask), such as N95, when used in poorly ventilated areas, for prolonged or repeated use, or when maximum exposure limits may be exceeded.
- 10.4. **FIRST AID: Contains silica sand, portland cement, calcium sulfoaluminate, hydrated lime and calcium aluminate.** If swallowed: immediately call a poison control center or doctor; rinse your mouth and do not induce vomiting. In case of contact with eyes; rinse carefully with water; remove contact lenses if present and if it is easy to do; continue rinsing for 5 minutes.

- 10.5. In case of contact with skin: wash thoroughly immediately. In case of contact with clothing: remove clothing immediately and wash it. If inhaled; remove the exposed person to fresh air. If you experience a burn, rash or skin irritation; consult a doctor immediately. See a doctor immediately if symptoms are severe or persist. The safety data sheet is available online at www.bomix.ca. In case of emergency: 1-800-535-5053.

11. TECHNICAL SERVICE

- 11.1. 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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12. WARRANTY

- 12.1. 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 results

Characteristics	Term	Results
Initial setting time (minutes) - ASTM C-191		20
Final setting time (minutes) - ASTM C-191		30
Compressive force - ASTM C-109	3 hours	6.3 MPa (913 psi)
	1 day	12.2 MPa (1770 psi)
	7 days	16.0 MPa (2320 psi)
	28 days	2.,0 MPa (2900 psi)
Flexural strength - ASTM C-348	1 day	3.9 MPa (565 psi)
	7 days	4.4 MPa (638 psi)
	28 days	4.6 MPa (667 psi)
Adhesion strength on a concrete block - CSA 23.2-6B	7 days	2.3 MPa (333 psi)
	28 days	2.3 MPa (333 psi)
Volumic mass kg/L (lb/ft ³) ASTM C-185		1890 (118)
Covering power per kilogram		0.09 m ² at 6 mm thick (1 ft ² at 1/4 in thickness)

Note: Results obtained in laboratory at 23°C (72°F)