



## PRODUCT DATA SHEET

Edition March 2020

### DESCRIPTION

With its blend of Portland cement and sand, Tech-Mix® Sand-Mix is specially formulated for repairs requiring a coat of concrete with a thickness of 5 cm (2") or less.

### TECHNICAL DATA

Packaging ——— 30kg bags  
Color ——— Grey  
Water required — 4.7 to 5.2 liters (for a 30kg bag)  
Shelf life ——— 1 year

When used according to instructions, Tech-Mix® Cement Sand-Mix meets the compressive strength requirements of the ASTM C387.

### USES

- Repairing steps and sidewalks
- Filling cracks in concrete pools, walls and
- floors Roughcasting various surfaces

## INSTRUCTIONS

### SURFACE PREPARATION

- Surface to be repaired must be structurally sound, clean and free of bond inhibiting materials such as oil or dirt.
- Remove any debris, coatings or damaged concrete.
- Concrete surface to be repaired must be textured.

### MIX PREPARATION

- Pour the contents of the bag onto a clean, smooth surface or into a clean wheelbarrow or bucket.
- Form a hollow, to pour water.
- Add water: 4.7 to 5.2 liters of clean water per 30 kg bag.
- Mix well. If the mixture is too thick, add only tiny amount of water at a time. Avoid over-diluting. In very cold weather, mix with hot water; in very hot weather, mix with cold water.

### PRODUCT APPLICATION

- Apply the sand-mix and pack down well with a stick. Level using a scraper or trowel.
- Allow cement to set.

### FINISHING

- Wait until the concrete as reached initial set.

### FINISHES

- Rough: use a wood trowel
- Textured: begin by using a steel trowel, followed by a brush or broom
- Smooth: use a steel trowel

### CURING

- Ideally, keep surface moist for 3 days following completion of the work using a curing agent\* or a burlap cover lightly sprayed with water.

\*Curing agent available at Tech-Mix®

### PRECAUTIONS/RESTRICTIONS

- Store product in a dry area.
- Apply at a temperature between 5°C and 35°C.
- Protect from frost for at least 48 hours.
- Protect from rain, sun and wind for the first 72 hours.
- Wait 28 days before applying paint.
- For safety information, refer to the MSDS.

### CLEAN-UP

- Clean tools and equipment with water before product hardens.

## TECHNICAL DATA TABLE

| CHARACTERISTICS  |                   | RESULTS                                     |
|--|-------------------|---|
| INITIAL SETTING TIME (HOURS)<br>ASTM C191                    |                   | 2h30  |
| FINAL SETTING TIME (HOURS)<br>ASTM C191                      |                   | 6h00  |
| COMPRESSIVE STRENGTH<br>ASTM C109                            | 7 days<br>28 days | 24 MPa<br>32 MPa                            |
| DENSITY KG/M <sup>3</sup> (LB/FT <sup>3</sup> )<br>ASTM C185 |                   | 2369 (141)                                  |
| COVERAGE PROVIDED BY ONE 30 KG BAG (66 LB)                   |                   | 0.013m <sup>3</sup> (0.47 pi <sup>3</sup> ) |

## TECH-MIX® GUARANTEE

This product is guaranteed to be of good merchantable quality when used according to the instructions above. This product will be replaced or its purchase price refunded at our discretion if defective in manufacture or packaging. With the exception of the aforementioned replacement or refund, the sale, use or other handling of this product is without any warranty, implicit or explicit, and Tech-Mix® cannot be held responsible for any defects, damages or losses caused by negligence or other errors.



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