

PRODUCT DATA SHEET

Edition December 2017

DESCRIPTION

Tech-Mix® Pre-Mixed 35 MPa Concrete is a well-balanced superior mix of Portland cement, stone and sand. This mix is ideal for work requiring concrete with a thickness of 5 cm (2") or more.

TECHNICAL DATA

Packaging — 30kg bags or big bags of 1 000 kg)

Color — Grey

Water required — About 2.5 to 2.9 litres (for a 30kg bag)

Conservation — 1 year

USES

- Ideal for highly sollicitated areas
- Tiles, sidewalks, footings, foundations, steps, patios, floors

INSTRUCTIONS

SURFACE PREPARATION

- Surface to be repaired must be structurally sound, clean and free of bond inhibiting materials such as oil or dirt.
- Smooth surfaces must be mechanically scarified.

MIX PREPARATION

- Pour the content of the bag onto a clean, smooth surface or into a clean wheelbarrow or bucket.
- Form a hollow, to pour water.
- Add water: approximately 2.5 to 2.9 liters of clean water per 30 kg bag.
- Mix well. If the mixture is too thick, add only a 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

- Clean surface to be repaired must be free of foreign matter. Dampen surface before pouring.
- Pour mixture and pack it well, using a stick.
- Level using a scraper or board.
- Allow concrete to set. Wait at least one hour before finishing.

FINISHING

- Wait until the concrete has reached initial set (see table).

FINISHES

- Rough: use a wood trowel.
- Textured: begin by using a steel trowel, followed by a brush or broom.
- Smooth: use a steel trowel
- Complete finishing with an edger.

CURING

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

*Curing agent available at Tech-Mix®

CLEAN-UP

- Clean tools and equipment with water prior to hardening.

PRECAUTIONS/RESTRICTIONS

- Store product in a dry area.
- Apply at a temperature between 5°C and 35°C.
- Prevent product from freezing for at least 48 hours.
- Do not apply on frozen surfaces.
- Wait 28 days before painting.
- For safety information, refer to the MSDS.

TECHNICAL DATA TABLE

CHARACTERISTICS		RESULTS
INITIAL SETTING TIME (HOURS) ASTM C-191		+/- 4:15 hours
FINAL SETTING TIME (HOURS) ASTM C-191		+/- 8:30 hours
COMPRESSIVE STRENGTH ASTM C-109	7 days 28 days	average 32 MPa (4 600 psi) average 37 MPa (5 400 psi)
DENSITY KG/M ³ (LB/FT ³) ASTM C-185		2251 (139.4)
COVERAGE PROVIDED BY ONE 30 KG BAG (66 LB)		0.013m ³ (0.47 ft ³)

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.