

PRODUCT DATA SHEET

Edition May 2014

DESCRIPTION

Tech-Mix® High Performance Concrete is a durable, fast-setting concrete designed for repairs requiring a coat of concrete with a thickness of 8 cm (3") or more.

TECHNICAL DATA

Packaging — 30 kg bags
 Colour — Grey
 Water required — About 2.5 to 2.9 litres (for 30 kg bags)
 Shelf life — 1 year

USES

- Ideal for high traffic areas
- Building paths, foundations, steps, patios, floors, sidewalks, etc.

INSTRUCTIONS

SURFACE PREPARATION

- Surface to be coated must be structurally sound, clean and free of bond inhibiting materials such as grease, dust, oil, paint or other substances.
- Smooth surfaces must be mechanically scarified.

MIX PREPARATION

- Pour the contents of the bag into a wheelbarrow or directly onto a smooth, clean surface.
- Form a hollow, to pour water.
- Add water: approximately 2.5 to 2.9 litres 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 so that it is 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 concrete has reached initial set (see table below).

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 damp 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.
- Do not apply High Performance Concrete on frozen surfaces.
- Apply at a temperature between 5°C and 35°C.
- Protect from frost for at least 48 hours.
- 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) ASTM C-191		2 hours
FINAL SETTING TIME (HOURS) ASTM C-191		5 hours 15 minutes
COMPRESSIVE STRENGTH ASTM C-109	7 days 28 days	53 Mpa 57 Mpa
DENSITY KG/M³ (LB/FT³) ASTM C-185		2363 (146.4)
COVERAGE PROVIDED BY ONE 30 KG BAG (66 LB)		0.013 m³ (0.47 ft³)

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.