

**DESCRIPTION** • *PatchCrete 102* is a single component, cement-based, polymer-modified repair mortar in an extremely fine grade for filling and repairing concrete cracks. Designed with elastic and high bonding strength properties in mind, *PatchCrete 102* is ideally suited for bridging cracks in concrete surfaces.

**USES** • *PatchCrete 102* was specially designed for filling and bridging cracks in concrete surfaces. *PatchCrete 102* may be used in interior and exterior applications on horizontal and vertical surfaces.

**ADVANTAGES** •

- ✓ Easy to use; just add water.
- ✓ Elastic, crack-bridging properties.
- ✓ Hi adhesion strength – no priming necessary.
- ✓ One-step repair; no need for crack chasing.
- ✓ Shrinkage compensated and crack resistant.
- ✓ Provides a smooth surface finish.
- ✓ Excellent workability.

**LIMITATIONS** • Do not use if substrate temperature is below 7°C or if rain or freezing conditions are expected in the proceeding 24 hours after application. Do not overwater; excessive amounts of water will weaken the material and reduce its durability.

**PHYSICAL PROPERTIES** •

Pot Life	45 min. at 20°C 20 min. at 35°C
Set Time	60 min. at 20°C 45 min. at 35°C

**COVERAGE** • Coverage rate is dependent on the width, depth, and frequency of the cracks to be repaired. Generally, 1 kg will cover approximately 80 linear meters at 1 mm depth.

**SURFACE PREPARATION** • All surfaces must be structurally sound, clean, and free from any loose particles, dust, oil and other contaminants. All unsound concrete must be chipped away and any dust should be removed with a vacuum.

**MIXING** • Add a 25 kg bag to 5 liters of clean water. The powder should be slowly added to the water and mixed until a homogeneous, lump-free mortar is obtained. Mechanical mixing at low speeds (300-400 RPM) is recommended for best results. Allow to stand for 15 minutes then remix. Do not mix more

quantities than can be used in 45 minutes; a little goes a long way.

**APPLICATION** • Dampen the concrete surface with water prior to application of *PatchCrete 102*, making sure to remove any excess or standing moisture before application. Press *PatchCrete 102* with a spatula or putty knife firmly into the crack, completely filling it with the mortar above the finish surface.. Allow to set then sand, or grind down the crack to surface level.

**CURING** • *PatchCrete 102* is self-curing and does not require moisture curing. On extremely hot and dry days, cover the repair area with a sheet of polythene to prevent excessive drying.

**CLEANING** • Tools and equipment should be cleaned promptly with clean fresh water.

**STORAGE & SHELF LIFE** • Product should be stored at 25°C in dry conditions away from direct sun light. Shelf life is approximately 12 months from date of purchase in original unopened container at specified storage temperature.

**SAFETY PRECAUTIONS** • KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. Portland cement and silica based products present health hazards. Irritating to eyes and skin. Use in adequate ventilation and do not breath dust. May cause delayed lung injury (silicosis). Use neoprene gloves and a dust mask when handling. FIRST AID: Eyes – Do not rub eyes, immediately flush with fresh water. Skin – Wash with soap and water. Inhalation – If experience difficulty breathing or if inhaled, move to fresh air. If symptoms persist, seek medical attention.

**PACKAGING** • 20 kg bag.