



PREMIUM PATCH

DESCRIPTION:

Con-Spec Premium Patch is a polymer modified, rapid setting, cementitious patching and repair material requiring only potable water for mixing. **Con-Spec Premium Patch is designed for patching featheredge to 3 cm (1") thick in one application.** It achieves initial set in approximately 30 minutes and be opened to foot traffic within three hours at 24°C (75°F). Con-Spec Premium Patch develops high strength, a tenacious bond, excellent resistance to freeze thaw cycles & weathering, and exhibits excellent sulphate resistance. **Con-Spec Premium Patch is ideal for patching floors before the application of an epoxy coating.**

USES:

Con-Spec Premium Patch is well suited for repair and patching of floors, chipped, spalled or broken concrete, walls, curbs, loading docks and ramps. Con-Spec Premium Patch can also be used for resetting floor tiles, repairing stucco, enhancing formed concrete surfaces and repair surface imperfections. It can be used in vertical or horizontal, interior or exterior applications. The finished repair is dense, crack resistant, durable, and has exceptional strength.

CHARACTERISTICS:

Con-Spec Premium Patch is a fast, versatile patching material with improved flexural, tensile and reduced permeability characteristics. Con-Spec Premium can be modified with various ingredients to alter its characteristics. Retarder and accelerator are available to control setting characteristics in hot or cold conditions.

LIMITATIONS:

For applications over 3 cm (1") in thickness use Blue-Line Rapid Repair Grout. Do not apply this material in areas where the temperature is or will be below 5°C (40°F) or over 35°C (95°F) within 24 hours of application.

COMPOSITION:

Con-Spec Premium Patch contains a proprietary cement formulation, special polymer modifiers and specially selected blended aggregates and admixtures are used to increase adhesion and aid curing.

COVERAGE:

Con-Spec Premium Patch is packaged in 25 kg. (55 lb) bags and will yield approximately 0.5 cubic feet or 0.014 cubic meters per bag.

PROPERTIES: (@23°C)

Compressive Strength (C109 modified)

4 hour Mpa (psi)	22	(3,200)
24 hour Mpa (psi)	30	(4,400)
28 Days Mpa (psi)	40	(5,800)

(@3.3L/25Kg Bag)

SURFACE PREPARATION:

Surface must be structurally sound, clean, free of loose or deteriorated concrete, dust, dirt, and other contaminants. Clean and prime exposed steel and reinforcing. When substrate is not absorptive, abrade as necessary to ensure proper bonding. Surface may be primed with a mixture of Con-Spec Premium Patch brushed in as a bond coat. When temperature is above 2°C (35°F), prewet the prepared area with potable water to achieve a saturated surface dry condition before application. Absorb excess water and puddles to prevent dilution of Con-Spec Premium Patch.

MIXING INSTRUCTIONS:

Con-Spec Premium Patch will require approximately 3 - 3.5 litres of potable water per 25 kg. bag, to achieve the proper mix consistency. Add the Con-Spec Premium Patch to the water and thoroughly mix to a trowelling consistency, but mix no longer than 5 minutes in total.

WORKING CHARACTERISTICS:

Con-Spec Premium Patch has a quick 30 minute initial set, and can be opened to traffic within three hours at 24°C (75°F). The mixed material trowels easily and has an easily workable consistency at all water contents. Due to the short working time of Con-Spec Premium Patch it is important to organize the placement operation within this time limitation. After setting, the Con-Spec Premium Patch will gain strength quickly and finishing operations may be difficult.

The working time may be extended by using cold materials and/or retarder. In cold weather, warm materials and/or accelerator may be used to hasten the set and strength development.

APPLICATION TECHNIQUES:

To ensure complete bond with the entire surface, scrub the Con-Spec Premium Patch firmly into the predampened area by hand or with a brush. Apply sufficient material to fill all holes and voids, and then trowel to a smooth finish. On large areas use a screed to obtain a uniform level before trowelling. It may be applied up to 3 cm (1") thick in one application.

Seller warrants that the product described on the face hereof has been manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer shall be responsible for any claims resulting from the failure to utilize the product in the manner in which it was intended and in accordance with instructions provided for use of product. The only obligation of either the seller or manufacturer shall be to replace any quantity of this product which proved to be defective. Neither seller nor manufacture assumes any liability, loss, or damage resulting from use of this product.

CURING TECHNIQUES:

Con-Spec Premium Patch does not require wet curing, unless exposed to wind or direct sun. When Con-Spec Premium Patch is applied in areas exposed to wind and/or direct sunlight the saturated burlap should be covered with polyethylene sheet. The saturated burlap can be applied as soon as the product has set firm. **Do not use solvent based curing compounds.**

SET CONTROL:

One may also use control retarder to lengthen the setting time for several hours. It is available in bulk and packets. The dry Set Control powder should be mixed into the mixing water first. One packet of Set Control will extend the setting time of a bag of Con-Spec Premium Patch for approximately 15 to 30 minutes at normal temperatures 24°C (75°F).

CLEAN UP:

Clean application tools and mixing equipment with water immediately following use as hardened product is difficult to remove.

SAFETY PRECAUTIONS:

Product contains cement and is alkaline on contact with water. Wear dust, skin, and eye protection. Irritating to eyes and skin. Avoid splashing into eyes or contact with skin. In case of eye contact, flood eyes repeatedly with water and call a physician immediately. **DO NOT RUB EYES!** Wash hands thoroughly with soap and clean water after handling. Do not take internally. Keep out of reach of children. Consult Material Safety Data Sheet for further information.

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