

UPC 777 Perfect Patch

Product Description

UPC 777 Perfect Patch is a two-component, high strength, extremely fast curing concrete patching system. Its advanced formula allows the user to quickly rebuild damaged control joints and cracks, even in low temperatures. Because of its physical properties and high load-bearing strength, it is the right choice for filling prior to the application of all UPC systems. UPC 777 is specially formulated to cure for vehicle traffic in 20 to 30 minutes.

ADVANTAGES:

- 0 VOC
- Self-Priming
- Stainable
- Chemical Resistant
- Low-Temperature Cure
- Low Smell
- Rapid Cure (20-30 minutes)
- Chemically Resistant
- Moisture Resistant
- Withstands Heavy Traffic
- Grind in 30 Minutes or Less
- Meets USGBC LEED criteria IEQ4.1

Applications

UPC 777 Perfect Patch can be used for rapid repair of cracks, spalls and holes in concrete, and the following applications:

- Rebuild Control Joints
- Bond Cracked Slabs
- Cold Rooms
- Rapid Repairs Prior to Coating
- Grade Matching
- Cracks in Concrete

Colors

Perfect Patch is available in Gray.

Packaging

UPC 777 is currently available in one kit size:

	Part A	Part B
22 oz. Caulking Cartridge	11 oz.	11 oz.

Product Data

Volumetric Ratio:	1 to 1
Solids:	100% (+ or - 1%)
Application temperature:	28-75°F and 5 above dew point
Thinning:	Not required
Pot life:	Approx 1 1/2 minutes
Cure time:	20-30 minutes
Shelf life:	12 months, unopened
Hardness, ASTM D 2240	Shore 57-60D
Tensile Strength, PSI (ASTM D2240)	4600
Elongation % (ASTMD412)	6% - 8%
Compressive Strength (neat)	3900 psi
(ASTM C109) (with sand)	4800 psi
Bond Strength (ASTM 882-99)	3450 psi

Concrete Preparation

Before coating is applied, concrete must be:

- Dry – No wet areas
- Clean – Contaminants removed
- Profiled – Mechanical preparation

Mechanical preparation is the preferred method of preparing concrete for coating application. Shot-blasting or diamond grinding are acceptable methods. Use a crack chaser with a diamond blade to prepare joints and cracks prior to installation of UPC 777 Perfect Patch.

Application Instructions

Clean the area of debris and contaminants that would act to debond *UPC 777 Perfect Patch*; oils, loose materials, dirt, rubber etc. Expose clean rough concrete for best results. If using a saw to cut concrete and clean the crack, remove all of the dust from the cut out area. Cut a vertical edge, minimum 1/4" deep, around the perimeter of spall. Make sure the area is dry. Vacuum all cement dust.

Caulking Cartridge Application: Remove end cap from cartridge. Screw static mixer to top of cartridge. Place assembled cartridge into pneumatic dispensing tool for use. Extrude a small amount of material off to the side until a uniform color is achieved. Dispense under a constant uniform pressure.

Perfect Patch requires diamond grinding after it has cured. This should be performed prior to the application of any UPC system. If UPC Perfect Patch is not ground, it may be seen through the new coating system.

Clean-up

UPC 777, while in an un-reactive state, may be cleaned up with water and degreaser. Isoprpyl alcohol or acetone may be needed once the resin begins hardening.

Warranty

Universal Polymer Coatings products are warranted for one year after date of purchase. Please refer to the UPC Limited Material warranty for additional clarification.

Safety

Consult UPC 777 Perfect Patch MSDS. Avoid UPC 777 contact with skin. Some individuals may be allergic to epoxy resin. Protective gloves and clothing are recommended.