

UPC 777 Perfect Patch TG

Product Description

UPC 777 Perfect Patch TG (trowel grade) is a two-component, high strength, extremely fast curing concrete patching system. Its advanced formula allows the user to quickly rebuild damaged control joints, spalls and large 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 TG is specially formulated to cure for vehicle traffic in 20 to 30 minutes.

ADVANTAGES:

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

Applications

UPC 777 Perfect Patch TG can be used for rapid repair of large 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
- Leveling Transitions

Colors

Perfect Patch TG is available in Gray.

Packaging

UPC 777 TG is currently available in one kit size:

| | Part A | Part B |
|--------------|---------|---------|
| 1 Gallon Kit | 1/2 Gal | 1/2 Gal |

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 TG.

Mixing

The ratio of UPC 777 Perfect Patch TG is 1 to 1. That is, one part A (resin) to one part B (hardener). Mix with a paint stick, trowel, or tapers knife. Perfect Patch TG material cures quickly. Mix small batches to optimize working time.

1. Mix equal amounts of part A and part B together for 30 seconds. Mix only the amount of material that can be applied within 1-2 minutes.
2. Immediately apply to concrete.
3. If mixing with sand as a mortar/slurry, mix A and B first and then add sand. Mix for another 20 seconds and apply immediately.

Application Instructions

Clean the area of debris and contaminants that would act to debond *UPC 777 Perfect Patch TG*; 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.

Apply Perfect Patch TG with a 3" X 8" trowel or tapers knife.

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