



6165 W. Detroit Street • Chandler AZ 85226  
1-800-528-8242 • (602) 276-0406 • Fax (480) 961-0513  
www.crafco.com

## INSTALLATION INSTRUCTIONS

### HP ER COLD PATCH

February 2023

---

#### READ BEFORE USING THIS PRODUCT

---

**INTRODUCTION** These installation instructions detail requirements and procedures to be followed for proper installation of the HP ER Cold Patch. HP ER Cold Patch is a ready to use pavement patching material with 0 VOC and rejuvenating qualities for the surrounding pavement. Usage, installation methods, compaction, and material quantities are covered. Installation consists of cleaning out the pothole or area to be repaired, filling it with HP ER cold patch, and compacting the filled area. With proper installation, long lasting durable patches are achieved.

**USAGE** The HP ER Cold Patch can be used in most weather conditions and is workable at temperatures from -5°F to 105°F. It can be used in concrete or bituminous pavements to repair potholes, road cuts, water main breaks, trip points, and other pavement voids and distresses over 1 ½ inches wide. No mixing, heating or special application equipment is required.

#### INSTALLATION METHODS

##### **Pothole Repair:**

**Clean out the hole:** Remove loose stones and debris from the hole. HP ER Cold Patch will adhere to clean asphalt. Although HP ER displaces water and maintains its tenacity to bind to old asphalt in wet conditions, it is important to remove excess water, especially in winter conditions. Excess water left in the hole may result in premature failure of the repair because of ice buildup underneath the surface.

*REMEMBER, the better the compaction, the better the result.* Install and compact HP ER Cold Patch: Shovel or pour HP ER in sufficient quantity to fill the hole in 5 cm. (2") lifts. The minimum depth of the repair must be (2"). Compact the material before adding additional material. Over- fill the hole to create a 1 cm (1/2") crown to allow traffic to further compact the HP ER.

##### **Road Cuts or Water Main Breaks:**

Road cuts and water main repairs are generally larger than a pothole and as a result, additional care should be taken in preparation. The sides of the road cut, or excavated area to repair a water main break, should be saw-cut back to a solid asphalt surface. The repair area should be swept to remove residual dust to assure bonding of the HP ER Cold Patch to the existing asphalt or concrete road surface. HP ER Cold Patch should be placed or poured in no more than 5 cm. (2") lifts and compacted using recommended procedures for each 5 cm (2") lift. A 1 cm (1/2") crown on the repair is recommended to accommodate future traffic compaction of the repaired area.

##### **Trip Point Repairs:**

A trip point is the result of frost heave in a concrete or asphalt sidewalk, walkway, or golf course cart path. Prepare the area by removing loose material such as sand or dust. Spread HP ER Cold Patch over the repair area to form a sloped ramp to the highest point. Compact the area using a hand or plate tamper. To eliminate "pick-up" that may occur on pedestrians' shoes, cover the freshly repaired area with a thin layer of Portland cement or mortar.

#### COMPACTION METHODS

**Throw and Go:** Let the traffic compact the repair. This is the least expensive installation method. However, high-speed traffic may cause excessive raveling and may pull the product out of the repair area. Stop and Go traffic and the severe turning of wheels may also hamper compaction and result in an unsatisfactory repair.

**Hand Tamp:** This is a quick and easy method with very low equipment cost. The effectiveness of the repair is dependent on the strength and motivation of the tamp person.

**Plate Compactor/Jumping Jack:** This is also a quick and easy repair method with somewhat higher equipment costs than Hand Tamp compaction. However, with mechanical compaction and minimal operator effort, a better repair is assured.

**Truck Tire:** In the absence of either a hand or mechanical tamper, a tire of the repair crew's truck may be driven slowly and carefully over the repair a few times to achieve a satisfactory repair. This method is particularly effective for small potholes and rebuilding the edges of paved shoulders. A truck tire repair is cost effective as no additional equipment or manpower is required.

**Ride on or Walk behind Compactor:** This method is the most expensive from an equipment perspective but produces the most effective repair. A ride on or walk behind compactor is highly recommended for large road repairs, utility cuts and water main break repairs.

**MATERIALS and QUANTITIES** HP ER Cold Patch is packaged in 50lb. (22.7kg.) plastic bags. The number of bags needed to repair a pavement void can be found in the ‘Bag Usage Guide’ given below:

<b>50lb (22.7kg) Bag Usage Guide</b>		
Hole Dimensions (ft.)	Depth (in.)	Total Bags Needed
2 x 2	2	2
2 x 2	3	3
2 x 2	4	4
3 x 4	2	6
3 x 5	2	7
3 x 3	4	8

**ADDITIONAL INFORMATION** Additional information regarding the HP ER Patch is available by contacting your distributor or Crafc0, Inc. This information includes:

1. Product Data Sheets,
2. Safety Data Sheets.