

# HD CONCRETE

CONCRETE SURFACE REPAIR COMPOUND

**Installation Guide**

**HD Concrete Repair Kit**

**5000HD**



**Repair wide cracks, potholes, and other voids quickly and completely in concrete.**

HD Concrete is a unique, gray color, cold applied, single component patching material used for repairing potholes, spalls, cracks and other confined voids and distresses over 1 inch wide and greater than ½ inch deep, in Portland cement concrete and asphalt pavement, slab and deck surfaces. It can be used to repair roads, highways, streets, airport pavements, parking lots, bridge and parking decks, sidewalks, walkways and floors. HD Concrete is composed of a specially designed thermoplastic binder and a unique aggregate composition that produces an easy to use durable patching material that is a gray color like Portland cement, concrete or oxidized asphalt pavement. HD Concrete can be used in most weather conditions and will adhere in cold and damp conditions. What makes HD Concrete unique is that it requires no mixing, heating or special installation equipment. HD Concrete is easy to use and works quickly while ensuring outstanding results. To use, HD Concrete is simply removed from the package, place into the prepared area to be patched, leveled and then compact. The patch is then ready for traffic immediately after compaction. No additional curing time is needed.

### Product Features & Benefits

- *Fills voids and cracks immediately*
- *No system down time*
- *Easy impact application*
- *Blends with either concrete or asphalt*
- *Stable and flexible repair*
- *Pre-mixed package, quick DIY application*
- *No messy clean-up*
- *No cure time - immediate traffic access*
- *Can be applied during any season - works in all weather conditions*



### Recommended Installation Procedures

- The repair area is to be swept clean of all loose debris and blown clean before applying patching material.
  - The repair area surfaces can be damp but should not have free moisture present during installation.
  - The HD Concrete is removed from the Container and placed into the prepared repair area. For best performance, HD Concrete should be applied at least ½ inch in thickness. For repairs from ½ inch to 2 inches thick, apply product in a single layer and compact.
- Repairs deeper than 2 inches should be filled in layers, from 1 to 2 inches thick, with compaction of each layer.
  - The final layer should be placed approximately ¼ to ½ inch above the surface, and then be compacted to surface level with a hand or mechanical tamper or multiple passes from a vehicle tire.
  - Compaction should be sufficient to produce firm material in the repair.
  - Following compaction, any excess patch material is then cleaned up and the repair area can be opened to traffic. Just after installation and compaction, HD Concrete will be a malleable material that will not be dislodged by traffic.



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- Over time the surface will harden. If needed at warm temperatures, initial surface tack can be reduced with a light sprinkle application of Portland cement, calcium carbonate powder, or fine sand over the compacted surface.
- HD Concrete should be installed when pavement temperatures are between 30 and 100F. If applying when pavement temperatures are below 30F, the repair area can be warmed to at least 30F using a torch or heat lance. To improve workability when installing product at colder temperatures, product can be stored in a warmer area not exceeding 90F prior to use.

## 50lb / 22.7kg container usage guide

<b>Repair Area Size</b>	<b>Depth</b>	<b>Container Quantity per Repair</b>
6" x 6" (15 cm x 15 cm)	1" (2.5 cm)	.05
	2" (5 cm)	0.1
	4" (10 cm)	0.2
	6" (15 cm)	0.3
12" x 12" (30 cm x 30 cm)	1" (2.5 cm)	0.2
	2" (5 cm)	0.4
	4" (10 cm)	0.8
24" x 24" (61 cm x 61 cm)	1" (2.5 cm)	0.8
	2" (5 cm)	1.6
	4" (10 cm)	3.2
	6" (15 cm)	4.8

### Packaging

Packaging consists of individual 50 pound kits which are stacked on standard 40 by 48 inch pallets. Each pallet contains 56 containers, producing a pallet weight of 2800 lbs. Palletized units are protected from the weather using a plastic pallet cover, and a minimum of two layers of six month U.V. protected stretch wrap.

### Storage

Pallets and bags of HD Concrete should be kept intact and stored under cover. Shelf life of properly stored product in unopened pallets and bags is up to one year. To maintain workability, leftover HD Concrete Cold Patch from an opened bag should be placed in an airtight container such as a pail or bucket with a tight-fitting lid.



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