
DON'T REPLACE IT RAISE IT
How you can save your sinking concrete slab and WHY...
POLYURETHANE CONCRETE RAISING

INTRODUCTION

When we are called to assist a home owner with a free estimate on whether they should level their concrete, or replace it, they are often happily surprised they can have perfectly aligned concrete again, in a matter of minutes, **saving them time and money.** That's because when compared to concrete replacement, the process of raising concrete with **polyurethane foam is inexpensive** (compared to the alternatives), and is exponentially **faster than replacing the concrete**. In this booklet we will present all the facts and answers to questions you may have going forward.

IMPORTANT REASONS TO RAISE YOUR SLAB...

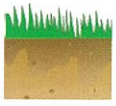
- **Safety.** Trip hazzards can harm you, your family and allows your property to be open for unwanted liability.
- **Cost.** You can raise your concrete for less than half the price of replacing the concrete slab.
- **Time.** Your slab problem will only worsen in time, fix it now and avoid the hassel later. Raising concrete with poly foam often takes a couple of hours and is ready immediately upon completion.
- **Appearance.** Eye sores and additonal structural cracks can be the result of unlevel concrete.
- **Home Value.** Trying to sell your home? First appearance is everything to a home buyer.
- **Structural Damage.** When a concrete slab settles, consequently doors and windows stick and structures connected to the slab may crack and settle as well.
- **Water Damage.** Water follows the path of least resistance and a settled or sunken driveway may end up costing a homeowner more money over time in foundation repairs.
- **Be Green.** By raising your concrete you are saving your current slab from being torn out and deposited at a landfill.

KOBALT
POWER BLADE
STAINLESS

TRUE ZERO
HOOK
25ft
FT & IN
INCHES

Q: WHY DOES CONCRETE SETTLE?

A: Poor Soil Conditions, Poor Compaction, Tree Roots, Poor Drainage




- **Poor Soil Conditions:** Clay-rich soils are 'elastic'. They expand and contract with moisture content. As soils become saturated with water, the clay expands and loses strength. This condition allows slabs to sink just like standing in wet mud. This can occur from heavy rains, melting snow or plumbing leaks.
- **Poor Compaction:** Many homes are built on backfilled soils. If the soil is not compacted correctly, backfill will slowly and unevenly compact, sometimes over a period of year, allowing slabs to settle.
- **Tree Roots:** Trees and large shrubs can consume up to 30 gallons of water a day. If located near concrete, the loss of water in the soil will make the soil contract and can cause the slabs to settle.
- **Poor Drainage:** Improper drainage can cause soil instability by creating areas of saturated soils allowing the slabs to settle. Poor drainage can be typical to the area, or as minor as a misplaced down spout.

Many homeowners make the mistake of waiting until the problem worsens or spend 2x as much on replacing the concrete. Until the problem is fixed your home remains at RISK.

What We Raise...

Essentially, we can raise any form of concrete slab.

Solid slabs of concrete can be raise and stabilized. Gravel areas or blacktop are unable to be repaired, and need to be replaced or re-installed to remedy settling issues. Slabs of concrete that are badly cracked may also be too damaged to lift.

Commercial

- Factory Floors
- Apartment Complexes

Municipal and D.O.T

- Roads, Streets, Highways
- Bridge Approach
- Curb & Gutter
- Sidewalk Projects

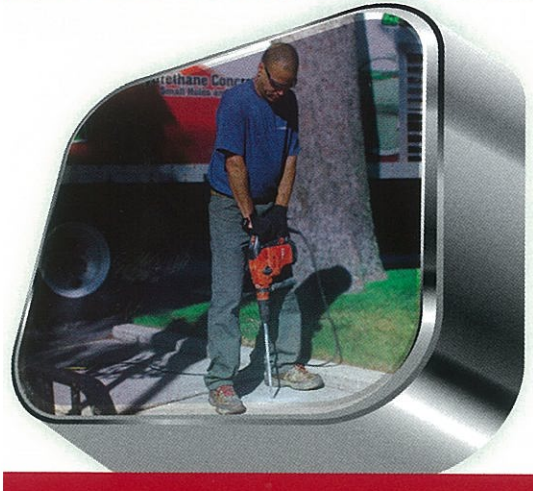
STEPS TO RAISING YOUR CONCRETE

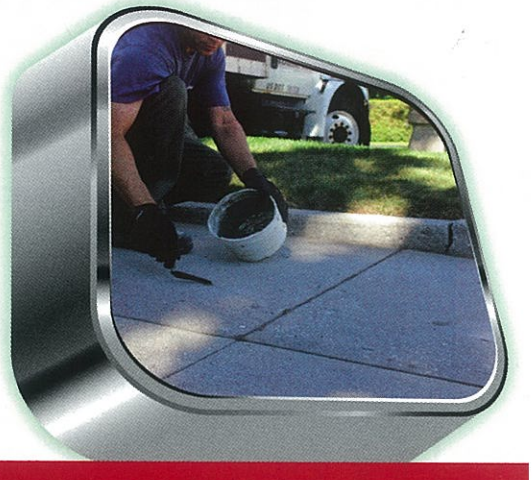
Most concrete raising jobs will take between one to two (1-2) hours—start to finish—and your concrete will be ready for use immediately upon completion!

Step 1) Injection holes are strategically drilled around the areas where the concrete is sunken and requires lifting.
Step 2) Once everything is prepped and the hose and materials are in place, the polyurethane foam is injected through the holes which fills the space underneath the concrete slab, using the concrete slab itself to drive the foam into the crevices, thereby lifting the concrete back to its original, correct level.
Step 3) Upon completion of leveling the concrete, the injection hole(s) are filled discretely with new cement, allowing you to use your surface immediately.

Summary: Polyurethane Concrete Raising uses a foam material that is injected under the slab. When the components of this material are mixed, a reaction causes the material to expand. This expanded foam fills any voids beneath the slab and raises concrete. This material will **never lose density**, is **permanent** and **weighs only about 2 lbs. per cubic foot.**

DRILL. PUMP. PATCH.





We ONLY Use the BEST Foam

How is HMI foam different?

HMI is the ONLY company that makes polyurethane foam from recycled material.

Reclaimed foam is used to manufacture HMI plural component foams.

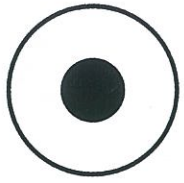
Available in 2 lb. (RR201), 4 lb. (RR401), 4 lb. hydrophobic (RR401G), and 5 lb. (RR501) HMI has developed this revolutionary foam that is setting new standards in polyurethane foam quality. ASTM tested this recycled material as the best foam available for raising settled concrete. Each foam is specifically designed for applications like lifting, high density lifting, stabilization and undersealing. For Technical Data or MSDS information please contact HMI at 800-626-2464.

Recycled foam offers these Benefits:

- Fast tact free time
- High compressive strength lift
- No concrete adhesion
- Fast and agressive expansion for lifting concrete
- Delayed cure time for slab manipilation assuring a perfect lift

Material reaction videos are available at:
http://www.concreteraisingsystems.com/information-center/VideoLibrary





+ Benefits of Polyurethane Foam +

Cost Effective: Concrete raising is typically about half the cost of replacing the same concrete. Ultimately, the cost of raising or stabilizing concrete is a direct reflection of how much leveling material the project will require.

Time: Ready to use immediately!

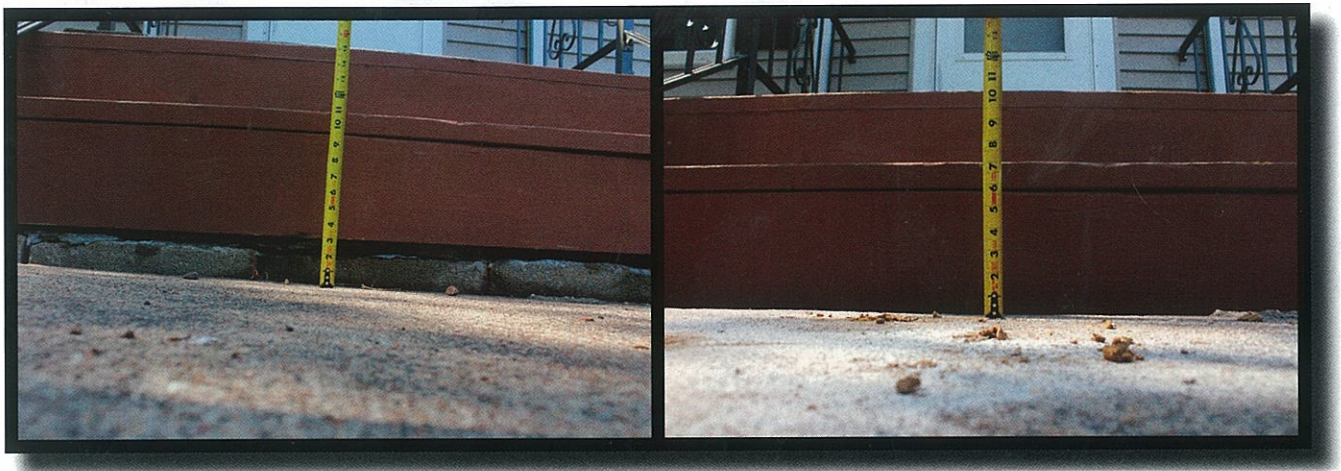
Clean Work Environment: No concrete or grout splatter and no wash down needed.

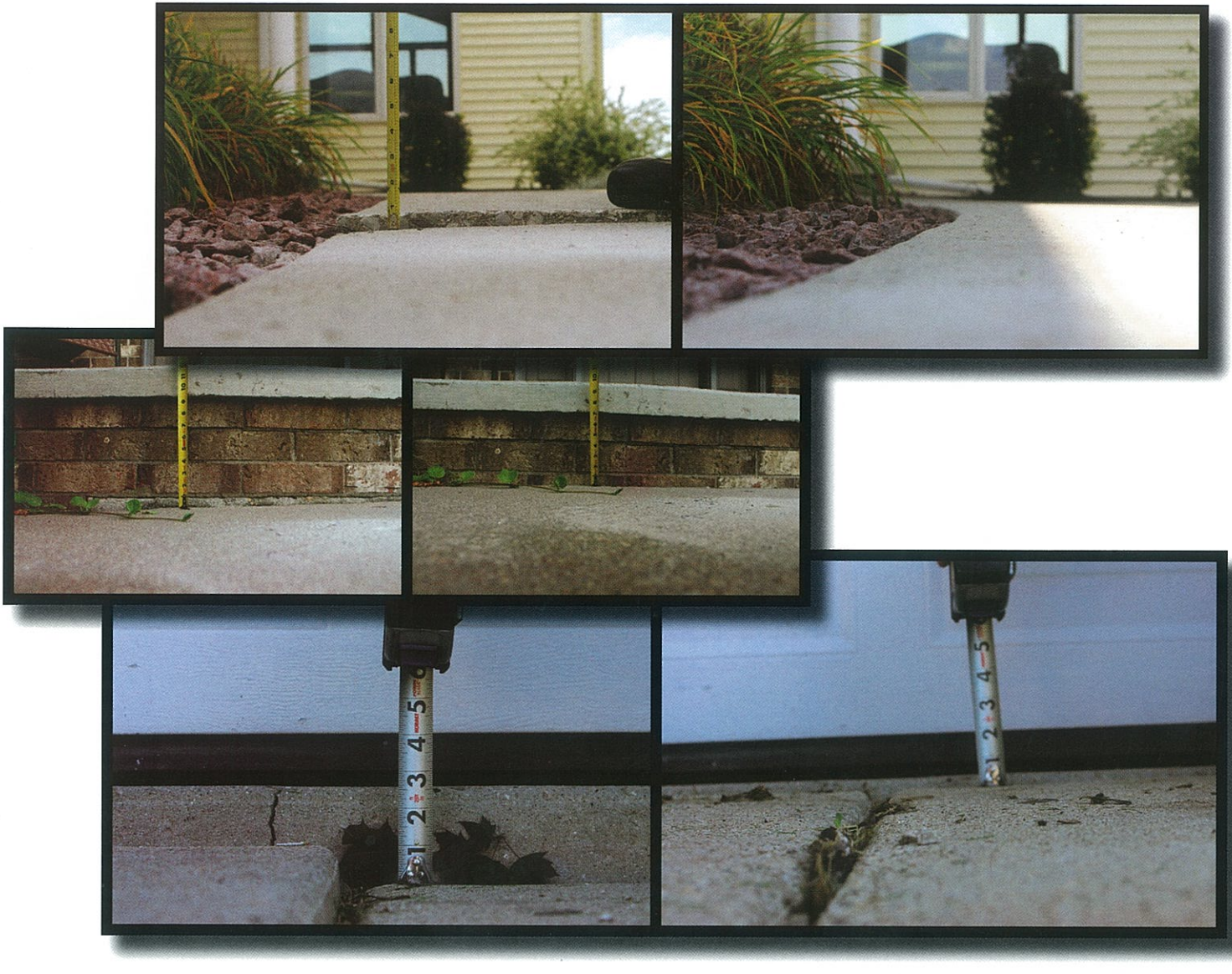
Smaller Holes: Polyurethane concrete raising drills a nearly invisible 5/8 inch hole and the process calls for considerably **fewer holes** than traditional mudjacking; Minimal patchwork needed.

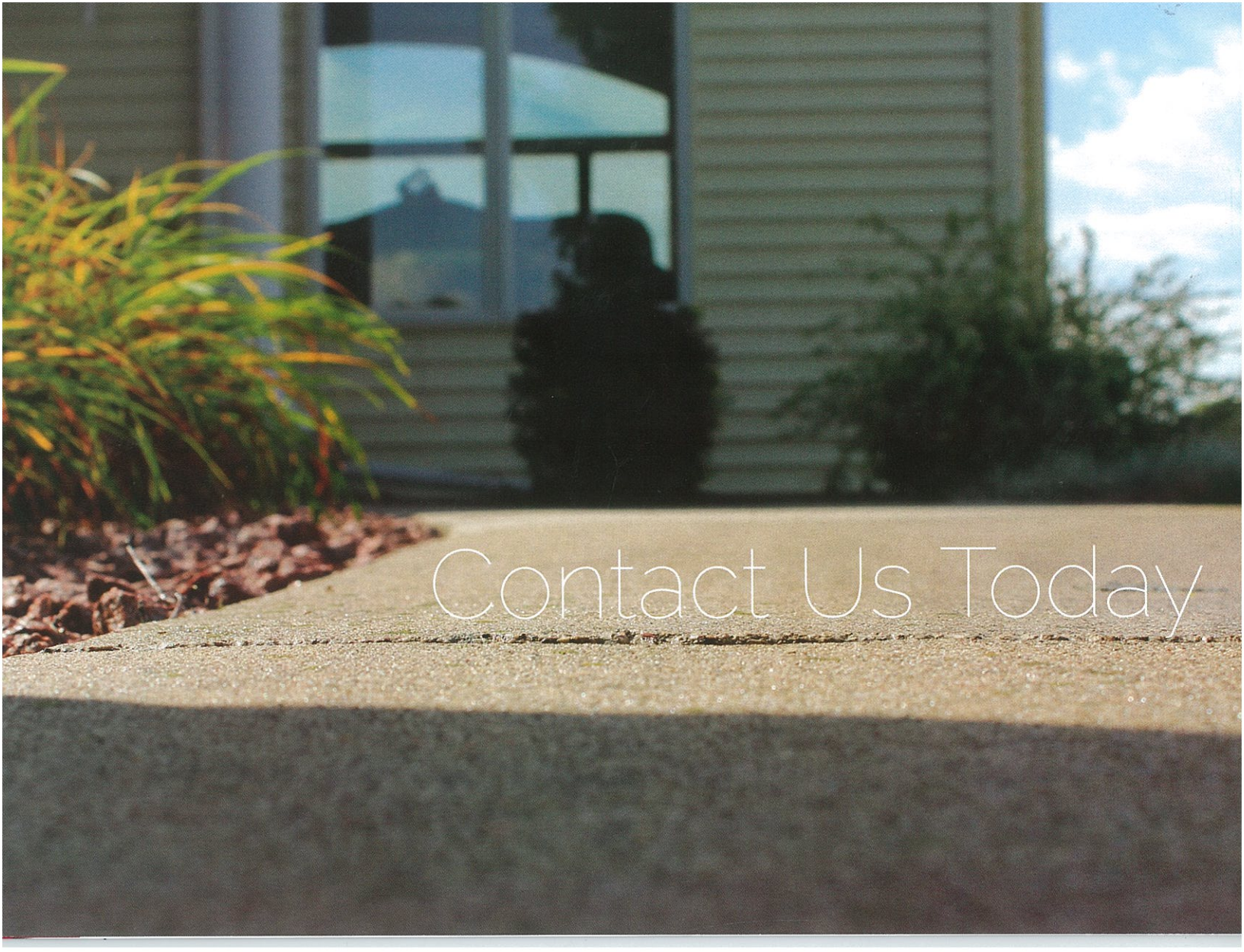
Lightweight: This material will never lose density, is permanent and weighs only about 2 lbs. per cubic foot. Compared to traditional Mudjacking material weighs on average 100 lbs per cubic foot.

Green: The poly foams we use are environmentally friendly, consisting of 39-49% renewable and recycled materials. HMI poly foam is a top-of-the-line material, designed specifically for different concrete applications, it allows us to easily adjust our approach to your needs.

BEFORE & AFTER



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