RR201

Plural Component Foam

Foam Characteristics

Density (Weight) : 2.5 lbs

Compressive Strength: 30 psi

Tensile Strength: 55 psi

Tack Free Time: 20 second

The weight of the slab being lifted along with ambient temperature variations can effect the characteristics of this foam.

U.S. Provisional Patent Application No. 61/583,295

Applications

Residential Slab Raising

RR201 Foam was developed to have a fast reaction time and less spread to have more control when lifting slabs of concrete. Designed to mimic the speed of traditional hydraulic mudjacking material/process, this is the first HMI foam specifically for residential polyurethane concrete raising.

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www.**ConcreteRaisingSystems**.com 800-626-2464

RR501

Plural Component Foam

Foam Characteristics

Density (Weight) : 5.5 lbs

Compressive Strength: 102 psi

Tensile Strength: 114 psi

Tack Free Time: 4 minutes 3 seconds

The weight of the slab being lifted along with ambient temperature variations can effect the characteristics of this foam.

Applications

Slab Stabilization

Joint Stabilization

Void Filing

Undersealing

RR501 Foam was developed to have a slower reaction time to allow the material to spread further. Because of the distance the material can travel, RR501 is perfect for undersealing and stabilizing joints on rocking slabs from slab curl.

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RR401-RR401G

Plural Component Foam

Foam Characteristics

Density (Weight) : 4 lbs

Compressive Strength: 90 psi

Tensile Strength: 85 psi

Tack Free Time: 26 second

The weight of the slab being lifted along with ambient temperature variations can effect the characteristics of this foam.

U.S. Provisional Patent Application No. 61/583,295

Applications

High Density Lifting Foam for Larger Slab Lifting and High/Heavy Traffic Areas

RR401 Foam was developed to be a stronger foam with the ability to lift large slabs. Perfect for Highway/Roadway slabs and factory floors. The durability of this foam will stand up to high traffic areas.

RR401G also has the strength to lift larger slabs, but is designed to set up in wet or underwater conditions without compromising the foam or density.

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HMI FOAMS

Plural Component Foams

HMI has developed foams with different reactions that are specifically for slab lifting, leveling and stabilization. Because foam needs to react aggressively enough to raise slabs and stand up to the weight of traffic after the repair is made, foams designed for insulation projects will not achieve the same results.

	Density	Compressive Strength	Tensile Strength	Tack Free Time
RR201	2.5	30 psi	55 psi	20 sec
RR501	5.5	102psi	114 psi	4 min 3 sec
RR401	4	90 psi	85 psi	26 sec
RR401G*	4	90 psi	85 psi	26 sec

*RR401G will set up in water

Each HMI foam has been specifically designed for different slab lifting and slabilization projects. For optimal results projects should be completed with specific foam characteristics in mind. Some foams designed for lifting applications will also work for stabilization or undersealing jobs, but require a tighter hole pattern. Foam designed with long cure times for stabilization and undersealing may not be ideal for lifting as the material may spread under adjacent slabs.

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HMI™

The ONLY company to make green greener

Polyurethane Foam made from Recycled Material

U.S. Provisional Patent Application No. 61/583,295

HMI manufactures polyurethane foam for raising and stabilizing settled concrete.

Why is HMI foam different?

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

When other foam manufacturers increased their prices, HMI was the only company to keep foam prices the same. Using this patent pending method for manufacturing foam is what allows HMI to maintain competitive material pricing.

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 new foam that is setting new standards in polyurethane foam quality. ASTM tested this recycled material is 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 as an ingredient gives you the advantage of using super charged raw materials that have already been quality foam. Recycled foam offers benefits like fast tact free time and high compressive strength skin that avoids concrete adhesion and adds strength. Fast and aggressive expansion for lifting concrete along with a delayed final cure time to allow for slab manipulation while adjusting for the perfect lift.

Material reaction videos are available at:

www.ConcreteRaisingSystems.com/Resources/VideoLibrary

RR600

Single Component Soil Stabilizer

Material Characteristics

Cure Time: 30 minutes - 2 hours
Time will vary based on moisture present and the % of catalyst used

Very Low Viscosity

Applications

Stabilize:
Peat Moss Loose Sands Soil

Under:
Sea Walls Foundations Helical Piers Concrete Floors

RR600 is a single component polyurethane. Developed for to bind and stabilize loose soils. The amount of material necessary to stabilize an area will depend on the moisture in the area. When the grout is pumped into soils, it reacts with the moisture and expands to fill voids and form a watertight barrier.

Lab Results:

In Sand: 783-2831 psi **In Stone:** 519 psi

DISCLAIMER These results are tested by ASTM standards. Data presented is a result of testing under controlled standard laboratory conditions. Results may vary, for the most accurate results, material samples should be submitted and tested.

This material can be installed with the Graco Ultra Max 1095 Available at HMI.
Call for Pricing

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