



RR601 - 4lb Concrete Raising Foam

Heavy-duty polyurethane foam perfect for DOT & industrial concrete repair.

Rocking concrete slabs caused by high traffic and heavy loads can lead to traffic hazards on our roads and possible OSHA issues in commercial or industrial settings. These safety issues require resolution, and ultimately led us to create a foam specifically for DOT, municipal, industrial, and commercial applications.

YOU SHOULD NEVER SETTLE, EXCEPT WHEN IT COMES TO HMI'S RR601

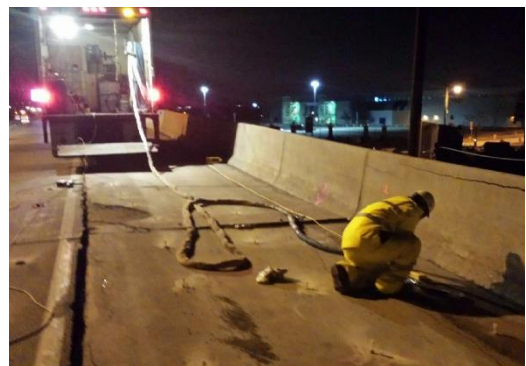
About RR601 Polyurethane Foam Material

RR601 polyurethane concrete raising and soil stabilizing foam was specifically engineered and formulated as a special request to us from DOT Engineers. RR601 is a 6 lb. per cubic foot density foam developed especially for infrastructure repair. The increased compressive strength is well suited for substantial loads and high traffic areas.

Applications for HMI's heavy-duty poly foam—601:

- Manufacturing floors
- Loading docks
- Highways/Roadways
- On/Off ramps
- Bridge approaches
- Heavy, thick concrete slabs
- High and heavy traffic areas

Raising and stabilizing concrete slabs with HMI dual component polyurethane foams.



HMI foam specifically designed for joint/slab stabilization has a very long reaction time and minimal expansion strength. It will take longer to expand, allowing for better coverage under the slab or down a void along a joint.



RR 601

Density ASTM D1622		Open Cell Content ASTM D2856	
Average (lbs./ft ³)	6.0-6.5	Closed Cell Content	89.7 ± 1.6%
Compression Properties ASTM D1621		HMI Testing	
Modulus (psi)	2207	Time at Reaction (mm:sec)	00:15
Proportional Stress (psi)	145.7	Peak Exotherm (°F)	270
Proportional Elongation (%)	6.7	Time at Peak Exotherm (mm:sec)	00:25
Crushing Strength Stress Avg. (psi)	193.6	Time at Tack Free (mm:sec)	00:23
Crushing Strength Stress Peak (psi)	292.1	Time at Peak Expansion (mm:sec)	00:23
Crushing Strength Elongation (%)	16.4		
Tensile Properties ASTM D1623		Water Absorption ASTM D2842	
Modulus (PSI) Proportional Stress	5072	Absorption by Volume (%)	0.04
(psi) Proportional Elongation (%)	138.4		
Breaking Strength Stress Avg. (psi)	4.0	Volume Change ASTM D2126	
Breaking Strength Elongation (%)	138.4	Change from Initial Volume (%)	+0.28
		Liquid Resin Density	
		RR 601B #Gallon at Room Temperature	9.4
		RR A #Gallon at Room Temperature	10.3
		RR 601B #/Gallon at 100° F	9.2
		RR A #/Gallon at 100° F	10.2

Did you Know?

HMI does not use Toxic Chemicals

Major toxic chemicals, often associated with some types of polyurethanes, such as some blowing agents, formaldehyde, benzene and toluene are NOT used in HMI foams. Most of what is warned against on the Internet pertains to these chemicals.

As Safe as the Cushions you sit on!

The foam we install under ground is like the foam in your mattress and or in your couch. Instead of it being built in a factory, we make the foam directly under the slab. Instead of being light and fluffy it is firm and strong.

Directly from the EPA

The EPA states that cured polyurethane is safe unless burned or ground into a fine dust.

ABOUT HMI – HMI, founded in 1974 is the world leader in: manufacturing equipment, system development and polyurethane material formulation for lifting and leveling concrete.

