



RR501 - 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.

GET SOME STABILITY IN YOUR LIFE WITH HMI'S RR501 POLY FOAM

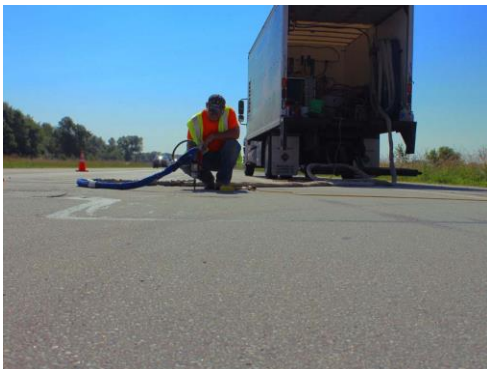
About RR501 Polyurethane Foam Material

RR501 is a 5 lb. per cubic foot density foam, provides a slower reaction time and further spread. Due to the distance this foam can travel, RR501 is excellent for undersealing and stabilizing joints on rocking slabs from slab curl. RR501 polyurethane foam is formulated for stabilization, not lifting; therefore, RR501 does not have a high expansive force.

Applications for HMI's heavy-duty poly foam—501:

- 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 501

Density ASTM D1622		Shear Properties ASTM C273	
Average (lbs./ft ³)	5	Modulus (PSI)	254
Compression Properties ASTM D1621		Proportional Stress (psi)	44.3
Modulus (psi)	3489	Proportional Elongation (%)	17.6
Proportional Stress (psi)	78.7	Breaking Strength Stress Avg. (psi)	82.5
Proportional Elongation (%)	2.5	Breaking Strength Elongation (%)	62.7
Crushing Strength Stress Avg. (psi)	112.4	HMI Testing	
Crushing Strength Stress Peak (psi)	114.9	Time at Reaction (mm:sec)	00:53
Crushing Strength Elongation (%)	5.1	Peak Exotherm (°F)	302
Tensile Properties ASTM D1623		Time at Peak Exotherm (mm:sec)	01:26
Modulus (PSI)	5025	Time at Tack Free (mm:sec)	01:21
Proportional Stress (psi)	123.6	Time at Peak Expansion (mm:sec)	01:45
Proportional Elongation (%)	3.0	Water Absorption ASTM D2842	
Breaking Strength Stress Avg. (psi)	123.6	Absorption by Volume (%)	0.06
Breaking Strength Elongation (%)	3.0	Volume Change ASTM D2126	
Open Cell Content ASTM D2856		Change from Initial Volume (%)	-1.47
Closed Cell Content	86.1 ± 1.1%		

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.

