



RR401 - 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.

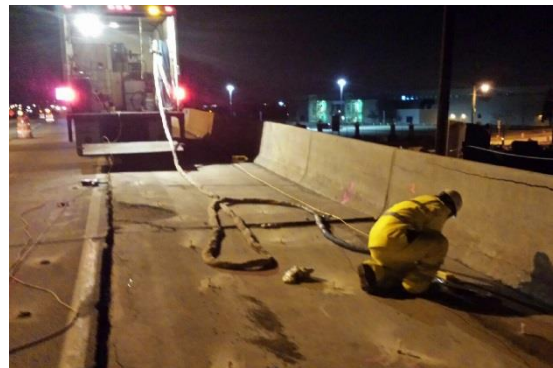
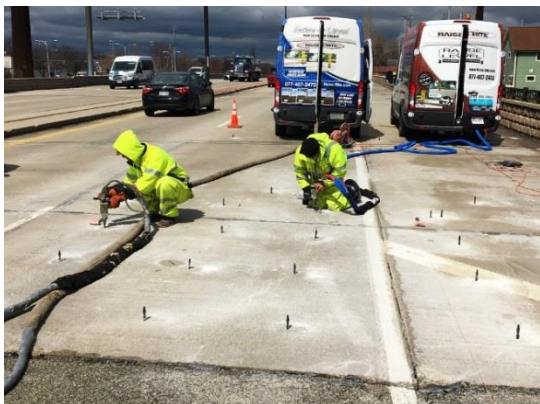
About RR401 Polyurethane Foam Material

RR401 is a 4 lb. per cubic foot foam engineered to be stronger for lifting larger slabs. This foam will stand up to heavy loads and high traffic, and exceeds specifications required by DOT.

Applications for HMI's heavy-duty poly foam—401:

- 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 401

Density ASTM D1622		Open Cell Content ASTM D2856	
Average (lbs./ft ³)	4 – 4.5	Closed Cell Content (%)	>90
Compression Properties ASTM D1621		HMI Testing	
Modulus (psi)	2300	Time at Reaction (mm:sec)	00:19
Proportional Stress (psi)	100	Peak Exotherm (°F)	273
Proportional Elongation (%)	6.0	Time at Peak Exotherm (mm:sec)	00:29
Crushing Strength Stress Avg. (psi)	121	Time at Tack Free (mm:sec)	00:27
Crushing Strength Elongation (%)	9.2	Time at Peak Expansion (mm:sec)	00:35
Tensile Properties ASTM D1623		Water Absorption ASTM D2842	
Modulus (PSI)	5680	Water Absorption (Vol. Basis) (%)	0.55
Proportional Stress (psi)	208	Water Absorption (Area Basis) (lb/ft ²)	0.13
Proportional Elongation (%)	5.4	Water Absorption (Weight Basis) (%)	6.4
Shear Properties ASTM C273		Response to Thermal and Humid Aging ASTM D2126	
Modulus (PSI)	343	Change from Initial Volume (%)	0.30
Proportional Stress (psi)	29.6		
Proportional Elongation (%)	20.7		
Breaking Strength Stress Avg. (psi)	39.4		
Breaking Strength Elongation (%)	44.4		

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.

