

# COMPARING MUDJACKING VS POLYJACKING



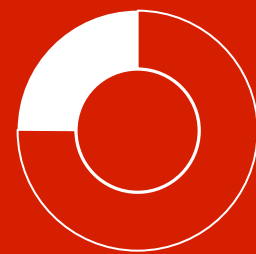
Polyjacking, also referred to as slabjacking, concrete raising, or pressure grouting, is the process of raising concrete slabs by hydraulically pumping a polyurethane foaming mixture under the concrete slab for a quick and permanent fix.

Mudjacking, also referred to as slabjacking, concrete raising, or pressure grouting, is the process of raising concrete slabs by hydraulically pumping a grout mixture, usually sand based material infused with Portland cement, under the slab of concrete.

**Poly provides a smaller hole 5/8"**

**Mud gives a much larger hole 1 or 2"**

**75% less holes drilled with Poly**

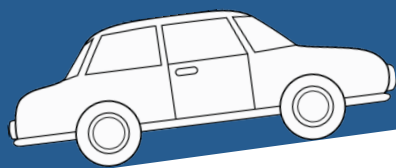


**Compared to using mud**



## Cost

It pays to use the more expensive polyurethane method when raising slabs that are poured over very unstable or unsuitable fill. Polyurethane weighs 3-4 pounds per cubic foot compared to 100-150 pounds per cubic foot of traditional mud, making polyurethane material much less likely to overburden unstable soil.



## Poly lifts instantly

Once it lifts you can walk, drive, park, and play directly after the material is pumped. Yup....we're totally serious.



## Strength

Traditional mudjacking does have an advantage over polyurethane when it comes to compressive strengths. A contractor can make the compressive strength of mudjacking material be whatever is desired by adding cement or combining cement with lime or sand achieving compressive strengths of 2,400 PSI. Polyurethane's compressive strength is consistently around 80 to 100 PSI. It is preferable to pump a higher compressive strength material than the existing sub-base.



## Mud takes more time

Mud can take anywhere from 1-4 days to lift the concrete back into place and dry.

Voids under slabs are often present in areas where wash out or excessive settling have occurred. This material will weigh on average 15-25 times less than a traditional mudjacking or cementitious grout mix, applying less stress on an already failed subgrade.

US Departments of Transportation seem to be preferring the use of polyurethane concrete lifting for sagging bridge approaches or removing dips in highways. The main reason being the light weight characteristic of the material which will not overburden the soil.



Mud does not last as long as poly material. As time goes on, the cement mix will wear down and lose its density. The poly material hardens into a solid allowing it to become stable in the ground, keeping its density.

Mudjacking is no new kid on the block, so in terms of age it beats poly hands down. It has been used for many generations and the process is always evaluated for improvements.



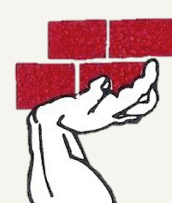
Trying to determine the best method of concrete lifting is not easy. The best thing you can do is get several estimates and opinions on the project from multiple contractors.



It is important to find a contractor you can trust. Ask questions about the process of work, cost, insurance, etc. Once you feel comfortable with your decision you will be ready to turn it over to the professionals!

Though both have their benefits, we believe that polyjacking is the best method of concrete lifting for any residential homeowner or commercial business owner. It is the most efficient, clean, and durable. It provides a great finished product and is guaranteed to outlast the mudjacking method.

For more information visit us at [gugconstruction.com](http://gugconstruction.com).



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