



PermaFloors

The Finest in Poured Floors

These instructions have been provided to help communicate measures that need to be taken before Permafloors pours your floors to assure a quality product.

1. We need to be able to get to your site with a large tractor-trailer. Please notify us of any switch-backs or bridges that might not be rated for us to cross. Also please inform us if chains may be required in the winter.
2. The floor system providing deflection of joists and subfloor must be designed so that the deflection does not exceed $L/240$ from combined dead and live loads and $L/360$ from live loads.
3. The subfloor must be securely attached to the floor joists with approved fasteners. Tongue and groove plywood or OSB of the proper thickness for the floor joist span is the preferred subfloor (a minimum thickness of $\frac{3}{4}$ " is recommended; we will consult our LEVELROCK reps for thicknesses less than $\frac{3}{4}$ "). If the subfloor is not tongue and groove it must be back-blocked to prevent subfloor movement at all edges.
4. If there are different pour depths throughout the project there must be block-outs put in according to their respective pour depths.
5. The building interior must be dried in before we pour. Plywood or OSB that have been exposed to high doses of water (from rain or flooding or plumbing leaks) will swell. If LEVELROCK were to be poured over wet plywood or OSB, cracking or delamination may develop as the plywood or OSB dries out.
6. There should be no uncovered opening such as windows, roofs or doors and the underlayment must be fully protected against precipitation.
7. In winter months the building interior must be a minimum of 50° F when the LEVELROCK floor underlayment is installed and should be maintained at that level or higher until the temperature of the building components have stabilized. During the extreme cold of winter, getting equilibrium at 50° F prior to the pour is important. Pouring onto a cold subfloor and then later having the building heat up will cause dissimilar expansion rates of the framing member and floor substrate which might result in cracking of the LEVELROCK underlayment. In the winter there is also a possibility of the LEVELROCK floor underlayment freezing if it is exposed to temperatures under 32° F. If it freezes it can flake apart and not achieve its full PSI rating. The heat tubes can provide the heat for the building interior if the project has radiant heat.

8. There must be water on-site to batch mix the LEVELROCK material. We require a minimum of 12 gallons of water per minute. Please check your water hookup's functionality prior to Permafloors arriving to ensure it is not frozen.
9. If there is not a hydrant that is owned by the project we need to know if there are special permits for water hydrant use or if we need to bring in a water truck.
10. We require a setup area of 75' x 75' that is flat to place the pump, sand, and be able to move the skid steer between the pump and sand pile safely. Please inform us if we need to set up in an area that is asphalted so that we can tarp off and protect the asphalt.
11. The floors need to clean of any oil or paint prior to pouring because they will break the bond between the subfloor and the LEVELROCK underlayment. Floors need to be swept and/or vacuumed clean and penetration in the subfloor sealed. The plywood used should be tongue and groove and the perimeters of the floors should be tight. Our product is like a thin milkshake when poured; it will go through very small cracks and holes and leak through. Please make sure that all cracks and holes are sealed. It is the contractor's responsibility to seal any potential leaks but we will seal any that we can see and find on the day of the pour.
12. The day we pour we need to have other subs off of the project unless they are working on the building exterior or on floors that we will not be working. We need unobstructed access to bring the pump, sand, and skid steer on site without trying to maneuver around other vehicles and building materials.

If you have any questions please feel free to contact us through any of the following contacts:

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Signature: _____