Best Pump Flush Practices

Why flush?:

Mountain Grout is a polyurethane resin that reacts when introduced to moisture. In many applications, the foaming reaction to water makes polyurethane grouts ideal for stopping water leaks in concrete, filling voids, and stabilizing soils. However, if polyurethane is left in the pump for an extended period of time, the grout will react to humidity in the air. The cured grout will seize the pump if it's not properly maintained.

It's very important that water is never run through the same pump used for pumping polyurethane grout. When pumping grout, make sure the intake line stays submerged in the resin. If the intake is removed from the resin while running, air and humidity will be drawn into the pump, which can cause the resin to cure prematurely.

When to flush?:

The pump should be flushed before and after each grout application. Make sure to flush the pump thoroughly any time work ceases for ten minutes, or more. Keep in mind that the resin will cure at a faster rate when air temperatures are higher. High humidity will also speed the rate at which the resin cures. Flush the pump immediately upon ending grout injection. Waiting to flush the pump could cause the residual resin to cure in the pump and seize its parts.

How to flush?:

When the application is finished, stop the pump and fully submerge the intake line of the pump into the container of Pump Flush. Run the pump until the liquid coming out is as clear as the liquid going in, then pump another gallon to make sure the lines are clear. Leave Pump Flush in the pump in between uses. Never flush with water or any material that contains water.

If the pump isn't functioning well, you may circulate acetone or xylene through the pump to remove more stubborn debris. Both acetone and xylene are very harsh, so make sure to use Pump Flush thoroughly after use. This is necessary to remove the corrosive solvent that can damage the pump if left in place. When using acetone or xylene, make sure to work in a well-ventilated area. Acetone and xylene are flammable, use caution!



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