



Caring for your Dream Mat



1. When your mat arrives if it is rolled up lay it flat in a warm place to allow the urethane to relax after being rolled for shipping. It may take some time or some sun to relax but rest assured this has not affected the durability of the mat and its long-life performance.
2. Your mat will have some mould release from the manufacturing process, you will need to wash your mat with detergent warm to hot water and a soft brush or cloth to remove any excess release agent. * wash the top and the bottom of the mat.
3. Urethane is not rubber, its cut resistance and wear resistance, weight sustainability are 10-fold what rubber is. However, like the familiar rubber it does share some of the traits so if you leave your mat in a bucket in the sun expect it to expand, if you leave it in the cold it will shrink a little. If you find your mat suddenly doesn't fit your sluice perhaps submerge it in the cold water first.
4. Like rubber urethanes colour will deteriorate the most when left in the sun so to keep your mat lasting years throw it in a bucket or keep your sluice and mat stored in the shade when not in use.

Feedrate: Feed to suit (obviously) your mat is very resilient and will be active in low flow and low slope situations, but you need to make sure your material is jostling. So don't overwhelm the system, if you need to feed faster then bring in more water to clear the cells.

Angles will vary depending on the velocity of the flow, I recommend starting around 8.5 degree or 9 degrees if running our Industrial tile and adjust steeper if your flow is slow and you need move material out of the cells faster. On the flip side if your setup in really fast water you may be able to run at 8 degrees flat. Use your eyes to monitor particle fluidity you should see dancing in the cells, if material is dancing then it is exchanging, and gold will settle in there and be safe.

Flow rates – Ideally you will want 3000 GPH for the 8-inch mat, 3700-4000 GPH for the 10-inch mat and 4700 GPH for the 12-inch mat for optimum exchange. You can run light on flow, but you will need to slow your feed to suit the slower exchange. And of course, Dream mat will handle plenty of water if you have access to it so don't be afraid to run deep and steep.

Have fun enjoy your product and keep the sluice us in the loop, we want to know what you think about the dream mat. Heavy Pans!

Dream Mat is the 1st sluice mat to be scientifically engineered with advanced fluid dynamic principles. Based off the elegant physics of **Mini Hydro-Cyclone** cells capturing the gold. **Dream Mats** vortex cells exploits nature's own forces in a patented system to bring the finest gold recovery to your pan. Patent US 9168536 B2

Traditional sluice mats & grates have a fluid dynamic called "Secondary Boundary Layer" that migrates gold thru the sluice. Like pencils rolling under a brick, this layer of rolling moving fluid consonantly moves the material out the direction with the flow. Beside the over burden, clogging of riffles, grates, moss. **ONLY** Dream Mat continually stops this process by profiles that spin the flow on a vertical axis back against the flow, acting like a swirling cheese grater, it constantly breaks down the process of the rolling "Secondary Boundary Layer" and captures the fine gold in a collection cell in a safe active fluid bed of black sands. Like a circular run-away truck ramp, the heavy gold is quickly trapped & sinks to the bottom.

Years of research & field testing has vetted inferior designs & recovery **RESULTS** were always the bases of a successful design.