

## How to use the Built With Foam Shim System.

- Clean all the junk off of your studs. **Get your framing COMPLETELY clean.** No glue, no nails, no screws. We like to use a *planer* to get our studs very clean.
- **Mark** the studs with a marker on the wall that you want to plumb and flatten **every 12" from the top.** We take our laser and pole and set that up to aid in this process.
- Take your laser and set it up in a corner, or in the middle of the wall on the floor, (depending on your laser). Turn it on. It will shoot a line parallel with the bottom plate of your wall. **You want that line perfectly parallel with the bottom plate** We set ours up at 2", but that number can be any number under 6". We're going to do 2". Laser line 2" parallel with the bottom plate of the wall.
- Now, take your folding rule and on every stud, every 12" mark, **take a measurement.** Find your HIGH spot or the spot on the wall that sticks out the FURTHEST. We set our laser up at 2" parallel with the bottom plate...**Our highest spot will be our LOWEST number.** Our high spot is 1 1/2" .
- Subtract 1 1/2" from 2". That gives you 1/2". Get two 1/2" shims from your kit and put them on the bottom plate. One on one end of the wall and one on the other. Your green parallel line is now at 1 1/2".
- This step is to make for easy math. Take your laser and make it parallel with the base AND the added shim at 2". So, your laser was at 1 1/2" with the shim. Now it's at 2" with the shim.
- Your laser is set up at 2" again. Go around at every 12" mark on the studs and take a measurement. If the measurement says 1 3/4" you glue and staple a 1/4" Built with Foam shim to that mark. If another mark says 1 7/8" you add an 1/8" shim to that mark with glue and staples to make the measurement 2". EVERY MARK YOU'RE MAKING 2" with the right size Built With Foam shim.
- Repeat the process on every 12" mark. Remember at your transition from backerboard to sheet rock...the "edge transition" (if you have one) put the shim under the edge of the sheetrock so the backerboard and the sheetrock are sitting on the same shim. This way, you'll have a smooth transition!
- When you have your shims up, fill the space in between the shims with low expanding spray foam. This will help stiffen up the install and decrease deflection.
- Install your board remembering to put the screw on the 12" mark. You must put the screw through the foam spacer.
- Put a level on the installed backerboard and check for plumb and flat. There should be no space between the edge of the level and the backerboard. The level should lay FLAT on the backerboard with no voids.