

THE FOAM CORE

Foam Density

You remember high school physics, right? Density is one of the main factors that contribute to a material's ability to insulate. The high density foams commonly found in hot tub covers are better at insulating than low density foams. The most common densities are 1 lb and 2 lbs. Again, if you can budget for it, the denser option is typically the better option.

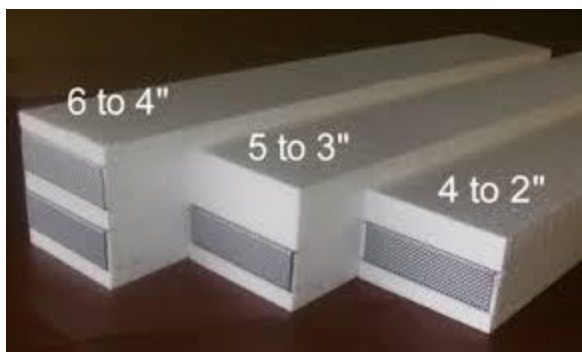


Thickness

Hot tub covers of the past were thin, flimsy, and a poor match for precipitation. Rain and snow would heap on top and cause the cover to sink in the middle, bending until it was irreparably damaged. Today's covers are much thicker and stronger. The average thickness for warm and temperate climates is 4" to 6". However, if you live in a particularly cold climate (not Texas), you'll need to go a bit thicker by a couple of inches.

Taper

Covers used to be completely flat. It seems intuitive, but that's actually what caused rain and snow to settle in the middle. Newer covers are tapered from the middle to the outer edges, like a gable roof, only not as steep. The least expensive taper is usually 4" to 2", followed by 5" to 3". You may also see 6" to 4", which is an excellent option if you can budget for it.



Support C-Channel Beam

24 gauge galvanized steel C-channel beam. Much needed strong support across the center of ThermoShield spa covers. *Galvanized steel is much stronger and will not bow like aluminum supports.*



Vapor Barrier

We vacuum seal every core with our 6mil polyethylene vapor barrier to reduce water absorption. Want some extra protection? Get the combo package that includes a double wrapped barrier against moisture.

