

# BPL Foam is the answer.

**Q.** Should I use open cell or closed cell foam?

**A.** First you have to ask yourself one question... Do I want the better or the best? We, as a company that offers both products, can knowledgeably say that open cell is better and closed cell is best. Both will provide you with advantages that traditional insulations can't. Open cell foam can provide you with sound abatement and an air barrier but not with the vapor barrier or added structural integrity that closed cell foam can. It can be a tough decision, but just remember, you get what you pay for.

**Q.** Is spray foam insulation a moisture or vapor barrier?

**A.** Closed cell foam does stop vapor drive but open cell foam does not stop vapor drive. Did you know? Closed cell foam is used in refrigerators and freezers and was integral for making them "frost free" by eliminating vapor drive. Open cell foam is used to absorb water with products like your common household sponge.

**Q.** What if I have a roof leak? Will closed cell foam not allow the water to be seen and, in turn, rot the roof deck?

**A.** No. As we all know, water always runs downhill and will find its way through anything porous. Remember that we only spray foam in between the rafters therefore allowing any water that makes it through the roof deck to seep through the wood rafter. If open cell foam is used, it will take on the water like a sponge and will need to be removed and re-applied.

**Q.** If I spray the underside of the roof deck, do I still need vents in the attic?

**A.** No. When foam is applied to the underside of your roof deck, vents are no longer necessary. The radiant energy that enters your attic through the roof in the summer will be stopped at the point of entry. Ever wonder why your attic is much hotter in the summer than the outside temperature? It is because trapped heat creates friction and more heat which in turn creates an expanding air mass. The only reason you have vents in the first place, is to relieve this hot expanding air mass that builds as a result of the radiant energy.

**Q.** Will having foam under the roof deck create more heat and lessen the life of the shingles?

**A.** No. There is no more heat created in or on the shingle with a foam insulated roof deck. There will actually be less heat on the underside of the deck as discussed in the previous question. In fact, the only shingle manufacturers that do not guarantee their shingles over a foam insulated roof deck, are those that also manufacture fiberglass insulation ... Think about it!

**BPL** BURTIN POLYMER  
LABORATORIES

www.burtinlabs.com

Burtin Polymer Laboratories  
100 Enterprise Drive  
Cartersville, GA 30120  
770.607.0755 f770.607.0334

