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**IMPORTANT VALUABLE ROOF INFORMATION AND ADVICE**

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Good morning, \*\*Please acknowledge receiving and absorbing this\*\*

I have just spent 1-1/2 hours communicating with : GAF technical support; GAF local TPO representative ( very nice guy very good at what he does. A wealth of knowledge. I learned some things ); I spoke with Tillamook county building inspector ( 15 minutes with him ); also agent for a major poly iso insulation manufacturer ( Atlas ). GAF also makes insulation board ( Energy Guard )\*\* No charge for this research. My reward is helping you become un ripped off. Very gratifying. To some of us money isn't everything.

Firstly, this is in the code, if there is a difference of opinion between two entities the most restrictive shall prevail. Many times local officials defer to manufacturers because manufacturers have put their products through rigorous testing and are certified by Underwriters Laboratories ( UL ) and ICC-ESR which is a different version of UL.

) Tillamook county does not require a class A fire rating unless the structure is within 3 feet of the property line. \*\* Your insurance may well require a class A fire rating. Call them!

) You were misinformed regarding weight of cover board compromising / damaging the insulation. This is a non issue. Absurd ridiculous in my humble opinion. 100% Everyone agrees on this. Heck, I could have told you that but it's nice to have all this absolution, edification, verification. However, plywood doesn't give a class A fire rating. 1/4" DensDeck Prime Board does.

) GAF requires the roof to be fully adhered period in your high wind location. Here in Portland no, there YES. Absolutely!!! Right there your roof flunks / fails. Game over.

) Edge flashings don't have to be stainless steel. The coated / clad TPO metal is ok but if you want stainless then go stainless. \*\*If the clad metal gets that white coating scratched off that metal can will rust out within 20 years.

) 2 layers of 2" insulation will not give an R-30 which may be the minimum requirement.

) Here is how the roof should be done : install 1/2" plywood over your 3/4" tongue and groove decking. That way the screws have the minimum 3/4" 'bite'. Now, those screws ain't going in much; Add insulation **properly** fastened; install 1/4" DensDeck Prime Board ( which gives a class A1 fire rating. to insulation glued with 'low rise foam' applied in a 4" snake / S pattern. 8" or 12" pattern ok here but there use a 4" pattern; install the TPO **FULLY adhered**;

That's how you do it. All this will cost give or take what they wanted for that mess you have. This is light years better than what you have. No comparison.

\*\*The GAF TPO guy made a good point. Instead of white roofing which gets dirty and shows the dirt, instead use a dark brown or charcoal gray color roofing. Much more pleasing to the eye.