

Bob Croft, Curtis Martinell, and Henry Yankowski with Pikes Peak Regional Building Department hosted the June 6 Colorado Chapter meeting. The following are short summaries of the presentations:

Kelly Frauenkron with BASF spent time explaining all about closed cell spray polyurethane spray foam systems. Closed cell polyurethane spray foam is among the most efficient insulating materials with an R-value at 6.0 per inch. These systems are also air barriers, weather barriers, and vapor retarders (less than 1 perm). A very good explanation for the differences between open and closed cell polyurethane spray foam can be found in the following technical paper.

www.fomo.com/resources/technical-bulletins/opencellvsclosed.aspx

Kelly's contact information is kelly.frauenkron@basf.com

Gerard DiManna with Owens Corning spent time explaining the differences between asphalt shingle wind testing standards and wind warranties. The International Codes require that all asphalt shingles be tested as per ASTM D3161. This is a two hour fastest mile wind test and there are 3 ratings: Class F which is 110 mph, Class D which is 90 mph, and Class A which is 60 mph. The asphalt shingle companies typically base their wind rating for a warranty by using the ASTM D 7158 test. The following technical paper explains the difference between these two tests.

<http://www.professionalroofing.net/article.aspx?id=1120>

One of the most important things for code enforcers to remember is that the Building Codes do not require any particular wind warranty but only that the shingle meet either a Class A, D, or F as per ASTM D3161 testing.

Gerard's contact information is Gerard.DiManna@ownescorning.com

Ray Brown with GAF/Elk spent time explaining warranties of asphalt shingles installed over unvented attics. Most asphalt shingle manufacturers will not provide a warranty when their shingles are installed over an unvented attic since there is not a method for the moisture to escape out of the attic. Therefore this moisture could affect the roof sheathing and the shingles by getting caught between the roof sheathing and the shingles.

If you want to use asphalt shingles and the unvented attic option (installing the insulation directly below the roof sheathing) using open cell, closed cell polyurethane, or batt insulation you should install a "cold roof" over the roof sheathing. This would include installing sleepers along with an additional layer of roof sheathing and providing ventilation to this area.

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