Proper installation of JM Formaldehyde-free™ fiberglass batt insulation satisfies the California Title 24 Performance Path for Unvented Attics.¹

**Code Compliance**

The International Residential Code (IRC) allows air-permeable insulation to be used in in Climate Zones 1, 2 and 3, following basic requirements.¹ Further, the California Building Code (CBC) allows this practice in all California climate zones except for CA climate zones 14 & 16.

**Proper Installation**

Proper installation occurs directly under a sloped roof deck over an unvented attic space where no soffit, eave, gable, or ridge vents are installed in the roof.¹ Also, in an unvented attic, the eaves and roof deck are air-sealed, rather than the attic floor. Insulation is then installed up to the bottom of the roof deck. When securing the batts to the roof deck it is critical that the batts be held firmly up against the roof, with minimal compression of each batt and minimal gaps between batts.

For this application, the roof framing is typically truss construction, with 2x4 or 2x6 truss top chords. Unfaced fiberglass batts are required with 24” full width product to cover the framing member. Typical thicknesses and R-values for this application are:

- R-30 – 10¼”
- R-38 – 13”
- R-49 – 13 1/2”

**Benefits of JM Fiberglass Batt Installation for Unvented Attics**

- No special training required
- Familiar materials and installation practices
- Fewer installation steps than other air permeable insulation options
- QII installation easily achieved

This time-tested method is currently used for underfloor and commercial roof insulation installations with the addition of a different spacing pattern for straps.

¹ Refer to section R806.5 Unvented attic assemblies and unvented enclosed rafter assemblies in the 2018 International Residential Code for specific roof assembly requirements.
In unvented attics, gable end walls are typically insulated to the same level as an exterior wall. Gables end walls may be insulated at the same time as the roof deck, or with the exterior walls.

Always follow local building codes.

For additional solutions or more information, call the Product Information Center at 800-654-3103 or visit www.JM.com to learn more.

Johns Manville is a manufacturer of building insulation products and offers this general conceptual information to you as a courtesy. This complimentary assistance is not to be used or relied upon by anyone as a substitute for professional engineering design and documentation required by building code, contract or applicable law. By accepting these comments, you agree they do not constitute any representations, endorsements of, or an assumption by Johns Manville of any liability for either the adequacy of the design of this building or any other material not supplied by Johns Manville.