



**BSR/ASHRAE/IES Addendum bg
to ANSI/ASHRAE/IES Standard 90.1-2022**

Public Review Draft

Proposed Addendum bg to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low- Rise Residential Buildings

**First Public Review (November 2024)
(Draft Shows Proposed Changes to Current Standard)**

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FOREWORD

The revision makes clear that, where present, all layered board insulation shall be offset. Additionally, where that insulation is above a roof deck, it shall be installed in two layers where the joints are offset. A single layer is limited to the portion of a taper adjacent to a drain element. The cost of installing two layers of insulation instead of one is not significant and is common practice.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum bg to 90.1-2022

Modify Section 5 as follows (IP and SI units):

5.5.3.1.3 Joints in Roof Insulation. Joints in the insulation shall be installed in accordance with Section 5.8.1.10.

[. . .]

5.8.1.10 Joints in Rigid Insulation. Where two or more layers of rigid insulation board are used in a construction assembly, the edge joints ~~between~~ of adjacent layers ~~each layer of boards~~ shall be ~~staggered~~ offset.

Add New Section 5.8.1.10.1 as follows (IP and SI units):

5.8.1.10.1 Insulation entirely above roof deck. Roof insulation installed entirely above the roof deck shall be installed in not less than two layers. Edge joints of adjacent layers shall be offset. The insulation shall be permitted to taper to a single layer at gutter edges, roof drains, or scuppers.