

ACFoam® Nail Base Specification

SECTION 07220: ROOF BOARD INSULATION

1.0 GENERAL

1.1 Summary

A. Insulation shall be ACFoam Nail Base Insulation (NBI) as manufactured by Atlas Roofing Corporation, Atlanta, GA.

1.2 Delivery, Storage and Handling

A. Keep ACFoam NBI panels dry at all times and do not leave exposed or inadequately protected. Store indoors, if possible, on pallets or dunnage, elevated at least 4" above ground level.

B. Replace wet insulation with dry product before applying roof coverings.

C. Insulation shall be packaged with a plastic shroud provided to protect the material during shipment only.

2.0 PRODUCTS

2.1 Materials

A. ACFoam NBI shall consist of a bottom layer of polyiso insulation board bonded to a top layer of 7/16" thick APA/TECO rated Oriented Strand Board (OSB). Only factory laminated panels shall be acceptable.

B. ACFoam NBI shall have an overall thickness of [] with an LTTR-value of []. Size of panel shall be 4' by 8'.

C. The polyiso board shall be faced on the bottom with a layer of black glass-fiber reinforced felt.

3.0 EXECUTION

3.1 Preparation

A. Apply vapor retarder to wood, steel or structural concrete decking prior to the installation of ACFoam NBI.

*****NOTE TO SPECIFIER: ATLAS RECOMMENDS THE USE OF A VAPOR RETARDER FOR ALL PROJECTS EXCEPT THOSE IN EXTREME COOLING CLIMATES.**

3.2 Application

A. Install ACFoam NBI horizontally with the 8' edge running parallel to the ridge of the roof.

B. With OSB side face up, fasten ACFoam NBI panels directly to the deck in accordance with manufacturers requirements using Atlas Nail Base Fasteners. Increase the number of fasteners in the perimeter areas by 50% and in the corner areas by 75%. Provide a 1/8" gap on all sides between the insulation panels to allow for expansion.

C. Cover the ACFoam NBI panels with a minimum No. 15 roofing felt attached with corrosion resistant roofing nails.

ACFoam® Vented-R² Specification

SECTION 07220: ROOF BOARD INSULATION

1.0 GENERAL

1.1 Summary

- A. Roof insulation shall be Vented-R Insulation as manufactured by Atlas Roofing Corporation, Atlanta, GA.

1.2 Delivery, Storage and Handling

- A. Keep Vented-R insulation panels dry at all times and do not leave exposed or inadequately protected. Store indoors, if possible, on pallets or dunnage, elevated at least 4" above ground level.
- B. Replace wet insulation with dry product before any roof coverings are applied.
- C. Insulation shall be packaged with a plastic shroud provided to protect the material during shipment only.

2.0 PRODUCTS

2.1 Materials

- A. Vented-R Nail Base Insulation shall consist of a bottom layer of polyiso insulation board and a top layer of 7/16" thick APA/TECO rated Oriented Strand Board (OSB) separated by continuous [1.0"] [1.5"] [2.0"] thick insulating vent strips. Only factory laminated panels shall be acceptable.
- B. Vented-R shall have an overall thickness of [] with an LTTR-value of []. Size of panel shall be 4' by 8'.
- C. The polyiso board shall be faced on the bottom with a layer of black glass-fiber reinforced felt.

3.0 EXECUTION

3.1 Preparation

- A. Apply vapor retarder to wood, steel or structural concrete decking prior to the installation of Vented-R panels.

*****NOTE TO SPECIFIER: ATLAS RECOMMENDS THE USE OF A VAPOR RETARDER FOR ALL PROJECTS EXCEPT THOSE IN EXTREME COOLING CLIMATES.**

3.2 Application

- A. Install the Vented-R panels horizontally with staggered joints and the vent strips running up the slope of the roof.
- B. With the OSB side face up, fasten Vented-R panels directly through the venting strips in accordance with manufacturer's requirements using Atlas Nail Base Fasteners. Increase the number of fasteners in the perimeter areas by 50% and in the corner areas by 75%. Provide a 1/8" gap on all sides between the Vented-R panels.
- C. Cover the Vented-R insulation panels with a minimum No. 15 roofing felt attached with corrosion resistant roofing nails.
- D. Ridge and soffit vents shall be utilized to create an effective ventilating roof system in conjunction with

the use of Vented-R. Match net free ventilation area of Vented-R, soffit vents, and ridge vents.