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**DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION**

**Section: 07 21 00 – Thermal Insulation**

**REPORT HOLDER:**

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**REPORT SUBJECT:**

*BluePoint Quiet Living™ Insul-Therm™*

### 1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2024, 2021, 2018 *International Building Code®* (IBC)
- 2024, 2021, 2018 *International Residential Code®* (IRC)

NOTE: This report references the most recent edition of the Codes cited. Section numbers in earlier versions of the Codes may differ.

1.2 *BluePoint Quiet Living™ Insul-Therm™* has been evaluated for the following properties:

- Thermal Performance
- Moisture Absorption
- Fungi Resistance
- Corrosiveness
- Surface Burning

1.3 *BluePoint Quiet Living™ Insul-Therm™* has been evaluated for the following uses:

- Concealed and exposed thermal insulation in walls, floors, and ceilings. See Conditions of Use in Section 6.0.

### 2.0 STATEMENT OF COMPLIANCE

*BluePoint Quiet Living™ Insul-Therm™* products comply with the Codes listed in Section 1.1, for the properties stated in Section 1.2, and uses stated in Section 1.3, when installed as

described in this report, including the Conditions of Use stated in Section 6.0.

### 3.0 DESCRIPTION

3.1 *BluePoint Quiet Living™ Insul-Therm™* is a non-woven, batt insulation, with no facing, containing cotton fibers and proprietary materials, provided in rolls and batts. The insulation is produced in nominal thicknesses of 25 mm and 32 mm. The 25 mm and 32 mm thicknesses are provided with a nominal weight of 56 grams per square foot. The 25 mm is stacked in four layers to achieve a thickness of 100 mm.

### 4.0 PERFORMANCE CHARACTERISTICS

4.1 The *BluePoint Quiet Living™ Insul-Therm™* cotton fiber insulation has the following thermal resistance (R-values) when tested in accordance with ASTM C518.

| Nominal Thickness         | Thermal Resistance (R-value)     |
|---------------------------|----------------------------------|
| 25 mm                     | 3.80 hr·ft <sup>2</sup> ·°F/Btu  |
| 32 mm                     | 4.39 hr·ft <sup>2</sup> ·°F/Btu  |
| 100 mm (4 layers of 25mm) | 14.47 hr·ft <sup>2</sup> ·°F/Btu |

4.2 Insulation material has been evaluated for corrosiveness, fungi-resistance, and moisture absorption by testing in accordance with ASTM C739.

4.3 Insulation material has a flame spread index of 25 or less and smoke-developed index of 450 or less when tested in accordance with ASTM E84.

### 5.0 INSTALLATION

5.1 *BluePoint Quiet Living™ Insul-Therm™* must be installed in accordance with the manufacturer’s published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer’s instructions must be available on the jobsite during installation.



## 6.0 CONDITIONS OF USE

**6.1** Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict, this report governs.

**6.2** The *BluePoint Quiet Living™ Insul-Therm™* insulation is permitted for installation where concealed or exposed in buildings of any type of construction, with the following limitations:

**6.2.1** The insulation shall not be installed where exposed in attic floors.

**6.2.2** The insulation has not been evaluated for use in fire-resistance-rated construction.

**6.2.3** The insulation shall not be installed over recessed light fixtures that are not insulated or against any heat-producing appliance.

**6.3** The *BluePoint Quiet Living™ Insul-Therm™* is manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

## 7.0 SUPPORTING EVIDENCE

**7.1** Reports of testing demonstrating compliance with ICC-ES AC81, Acceptance Criteria for Cotton Fiber Insulation, dated March 2004, editorially revised June 2022.

**7.2** Reports of testing demonstrating compliance with ASTM E84-21a, Test Method for Surface Burning Characteristics of Building Materials.

**7.3** Documentation of an Intertek approved quality control system for the manufacturing of products recognized in this report.

## 8.0 IDENTIFICATION

The *BluePoint Quiet Living™ Insul-Therm™* insulation is identified with the manufacturer's name (Airlite Nonwovens), flame spread and smoke-developed indices, R-value, the Intertek Mark, and the Code Compliance Research Report number (CCRR-0281).



## 9.0 OTHER CODES

This section is not applicable.

## 10.0 CODE COMPLIANCE RESEARCH REPORT USE

**10.1** Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

**10.2** Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

**10.3** Reference to the <https://bpdirectory.intertek.com> is recommended to ascertain the current version and status of this report.

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