

Issue Date: 08-26-2021  
Revision Date: 09-18-2024  
Renewal Date: 08-31-2025

**DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION**  
**Section: 07 30 05 – Roofing Felt and Underlayment**

**REPORT HOLDER:**  
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**REPORT SUBJECT:**  
**Secure Start™ HT Roofing Underlayment**

### 1.0 SCOPE OF EVALUATION

**1.1** This Research Report addresses compliance with the following Codes:

- 2024, 2021, and 2018 *International Building Code*® (IBC)
- 2024, 2021, and 2018 *International Residential Code*® (IRC)
- 2023 and 2020 *Florida Building Code* (FBC) (See Section 9.1)

**1.2** Secure Start™ HT roofing underlayment has been evaluated for the following properties (see Table 1):

- Physical Properties
- Ice Barrier
- Fire Classification

**1.3** Secure Start™ HT roofing underlayment has been evaluated for the following uses (see Table 1):

- In the field of the roof as an alternative to the ASTM D226, Type I and Type II, roof underlayments specified in Chapter 15 of the IBC and Chapter 9 of the IRC
- In areas of the roof required by IBC Section 1507 or IRC Section R905 to have an ice barrier

As a component of classified assemblies when installed as described in this report

### 2.0 STATEMENT OF COMPLIANCE

Secure Start™ HT roofing underlayment complies 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.

#### 2.1 2024 IBC and IRC Evaluation Reports

The Intertek CCRR is an *Evaluation Report* for approval of an alternate material, design, or method of construction in accordance with Section 104.2.3.6.1 of the 2024 IBC and Section R104.2.2.6.1 of the 2024 IRC.

### 3.0 DESCRIPTION

Secure Start™ HT roofing underlayment is a self-adhered synthetic underlayment comprised of a modified bitumen membrane as the adhesive material on the sheathing side and a synthetic facer on the exposure side. The nominal weight of the underlayment is 19.3 pounds per 100 square feet and it is available in rolls measuring 36.75 inches wide and 66 feet long.

### 4.0 PERFORMANCE CHARACTERISTICS

**4.1 Fire Classification:** When installed in accordance with the assembly described in Table 2 of this report, Secure Start™ HT roofing underlayment meets Class A fire classification. Additionally, the underlayment may be used as a component of a classified roof assembly when specifically recognized as such in a Listing approved by the Code official. The underlayment may also be used as an alternative to the underlayments specified in the Code for roof coverings permitted under the Exceptions to IBC Section 1505.2 and IRC Section R902.1, and may be used where non-classified roofing is permitted in IBC Section 1505.5.

### 5.0 INSTALLATION



**5.1 General:** Secure Start™ HT roofing underlayment 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.

**5.2 Application:** The roof deck must be in proper condition to ensure adhesion. Installation is limited to solid-sheathed decks of plywood substrate. The membrane is self-adhered to the substrate after the release liner is removed. The membrane is applied from the lower edge of the roof and parallel to the eave. The membrane must be lapped a minimum of 3 inches on horizontal seams and 6 inches on vertical seams in the same course, and staggered 6 feet apart in subsequent courses. Flashings around protrusions must be installed under the underlayment.

The roof covering may be installed immediately following the underlayment application, and the underlayment must be covered within the time designated in the report holder's published installation instructions.

## 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** Installation is limited to use with approved mechanically attached roof covering systems.

**6.3** Installation is limited to roof systems that do not involve hot asphalt or coal-tar pitch.

**6.4** Secure Start™ HT roofing underlayment is manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

## 7.0 SUPPORTING EVIDENCE

**7.1** Test reports demonstrating compliance with ASTM E108-20a [17] and ASTM D1970-21 [17a].

**7.2** Data in accordance with ICC-ES Acceptance Criteria for Roof Underlayments (AC188), dated February 2012 (editorially revised December 2015).

**7.3** Intertek Listing Report "Malarkey Secure Start™ HT Underlayment", on the [Intertek Directory of Building Products](#).

## 8.0 IDENTIFICATION

The underlayment is identified with the manufacturer's name (Malarkey Roofing Products), address and telephone number; the product name (Secure Start™ HT Synthetic Roofing Underlayment); the Intertek Mark, and the Code Compliance Research Report number (CCRR-0423).



## 9.0 OTHER CODES

### 9.1 Florida Building Code:

**9.1.1 Scope of Evaluation:** The Secure Start™ HT Roofing Underlayment was evaluated for compliance with the 2023 and 2020 *Florida Building Code – Building* and the 2023 and 2020 *Florida Building Code – Residential*.

**9.1.2 Conclusion:** The Secure Start™ HT Roofing Underlayment described in Sections 2.0 to 8.0 of this report complies with the 2023 and 2020 *Florida Building Code – Building* and the 2023 and 2020 *Florida Building Code – Residential* including High-Velocity Hurricane

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Zones (HVHZ), subject to the following conditions:

- The underlayment must be installed in accordance with the provisions noted in Section 2.0 through 7.0 of this report, Sections 1507.1.1.1, 1507.1.1.2, or 1507.1.1.3 of the *Florida Building Code – Building*, and Section R905.1.1.1, R905.1.1.2, or R905.1.1.3 of the *Florida Building Code – Residential*
- The underlayment may be used where underlayments complying with ASTM D1970 are permitted in TAS 110, as referenced in *Florida Building Code – Building* Section 1515.1.4
- Intertek is an approved evaluation entity and quality assurance entity pursuant to Florida Statute 553.842 – *Product Evaluation and Approval*

## 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.

TABLE 1 – PROPERTIES EVALUATED

PROPERTY	2024, 2021 IBC SECTION	2024, 2021 IRC SECTION	2023 FBC SECTION (BUILDING)	2023 FBC SECTION (RESIDENTIAL)
Physical Properties	1506 and 1507	R904 and R905	1507.1.1 1515.1.2	R905.1.1
Ice Barrier	1507	R905	N/A	N/A
Fire Classification	1505	R902.1	1505	R902

Section numbers may be different for earlier versions of the International and Florida Codes

TABLE 2 – FIRE CLASSIFICATION

CLASSIFICATION AND SLOPE	DECK	UNDERLAYMENT	ROOF COVERING
Class A 2:12 or greater	Minimum nominal 3/8 inch thick Type AC grade plywood	One layer of Malarkey Secure Start™ HT self-adhered synthetic roofing underlayment	3-tab asphalt shingles complying with ASTM D3462 mechanically fastened with 1-1/2 inches roofing nails through nailing strip, (4) per shingle