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

REPORT HOLDER:
Polyglass USA, Inc.
1111 W. Newport Center Drive
Deerfield Beach, FL 33442
(888) 410-1375
www.polyglass.us

REPORT SUBJECT:
Polyanchor Synthetic Roofing Underlayment

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2021, 2018, and 2015, *International Building Code*® (IBC)
- 2021, 2018, and 2015, *International Residential Code*® (IRC)

NOTE: This report references 2021 Code sections. Earlier version of the Codes may have different section numbers.

1.2 Polyanchor Synthetic Roofing Underlayment has been evaluated for the following properties (see Table 1):

- Physical properties
- Ice barrier
- Fire classification

1.3 The underlayment has been evaluated for the following uses (see Table 1):

- Use 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.
- Use in areas of the roof required by IBC Section 1507 or IRC Section R905 to have an ice barrier roof underlayment, when installed as noted in Section 5.2.
- Use as a component of classified assemblies when installed as noted in Section 4.1.

2.0 STATEMENT OF COMPLIANCE

Polyanchor Synthetic 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.

3.0 DESCRIPTION

3.1 Polyanchor is a mechanically attached synthetic roofing underlayment comprised of a cross-woven polypropylene scrim with two-ply proprietary coating on the exposed side. The underlayment has an overall nominal weight of 2.9 pounds per 100 square feet. The underlayment is available in rolls of 48 inches wide by 250 feet long. Other sizes are available upon request.

4.0 PERFORMANCE CHARACTERISTICS

4.1 Fire Classification: 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 underlayments 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: The 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.

The underlayment must be installed in accordance with the subsections of IBC Section 1507 and IRC Section R905 applicable to the roof covering being installed. The underlayment must be laid with the print side up with laps as required by the applicable Code, evaluation report, or manufacturer's instructions, whichever is more restrictive.



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.

5.2 Ice Barrier: In areas of the roof required by IBC Section 1507 or IRC Section R905 to have an ice barrier, two layers of the Polyanchor underlayment, solidly cemented together with a low solvent-based roofing cement complying with ASTM D4586 Type 1 (asbestos free), may be used provided the ice barrier extends up the roof a minimum distance of 24 inches inside the interior wall line of the building. The underlayment installed in the field of the roof must overlap the ice barrier.

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 installations where the roof covering does not involve hot asphalt or coal-tar pitch.

6.4 Installation is limited to roofs with slope of 2:12 (17%) or greater.

6.5 Attic ventilation must be provided in accordance with the applicable Code since there are no requirements to evaluate vapor permeability of the underlayments.

6.6 The roofing underlayment is manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

7.0 SUPPORTING EVIDENCE

7.1 Reports of tests in accordance with ASTM E108.

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

7.3 Intertek Listing Report "Polyglass Synthetic Roofing Underlayment" on the [Intertek Directory of Building Products](#).

8.0 IDENTIFICATION

The underlayment is identified with the report holder's name, telephone number, the product name, the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0339).



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.





TABLE 1 - PROPERTIES EVALUATED

PROPERTY	2021 IBC SECTION ¹	2021 IRC SECTION ¹
Physical Properties	104.11, 1506 and 1507	R104.11, R904 and R905
Ice Barrier	1507	R905
Fire Classification	1505	R902.1

¹ Referenced sections apply to the 2021 IBC and IRC

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545 E. Algonquin Road • Arlington Heights • Illinois • 60005
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