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DIVISION: 70 00 00 – THERMAL AND MOISTURE PROTECTION
Section: 07 30 05 – ROOFING FELT AND UNDERLAYMENT

REPORT HOLDER:
Modern Builders Supply, Inc.
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REPORT SUBJECT:
Hydroshield 25 Underlayment

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 2024 Code sections. Earlier versions of the Codes may have different section numbers.

1.2 Hydroshield 25 has been evaluated for the following properties (see Table 1):

- Physical properties
- Ice barrier
- Fire classification

1.3 Hydroshield 25 has been evaluated for the following uses (see Table 1):

- Under the 2024 IBC and IRC, the underlayment may be used in the field of roofs where ASTM D8257 compliant underlayments are required as specified in IBC Chapter 15 and IRC Chapter 9.
- Under the 2021 and 2018 codes, the underlayment may be used 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

Hydroshield 25 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.

3.0 DESCRIPTION

3.1 Hydroshield 25: Hydroshield 25 is a mechanically attached synthetic roofing underlayment comprised of a high strength woven fabric coated on both sides with a polypropylene walking surface. The underlayment has a nominal weight of 93 grams per square meter \pm 10%. The underlayment is produced in rolls of various sizes.

4.0 PERFORMANCE CHARACTERISTICS

4.1 Fire Classification: Hydroshield 25 underlayment may be used as follows:

- As a component of a classified roof assembly when specifically recognized as such in a Listing Report approved by the Code official.
- As an alternative to the underlayment specified in the Code for roof coverings permitted under Exceptions 1-4 to IBC Section 1505.2 and Exceptions
- Where non-classified roofing is permitted in IBC Section 1505.5

4.2 Ice Barrier: In areas of the roof required by IBC Section 1507.1.2 or IRC Section R905.1.2 to have an ice barrier, two layers of the roofing underlayment solidly cemented together may be used provided the ice barrier extends up the roof a minimum distance of 24 inches inside the exterior wall line of the building.

4.3 Vapor Permeability: Hydroshield 25 has a permeance of 0.05 perms, based on testing in accordance with ASTM E96.



5.0 INSTALLATION

5.1 General:

Hydroshield 25 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 may be installed with the roof coverings specified in IBC Table 1507.1.1(1) and IRC Table R905.1.1(1), where ASTM D8357-compliant underlayments are permitted. The underlayment must be installed in accordance with IBC Table 1507.1.1(2) and IRC Table R905.1.1(2) and fastened in accordance with IBC Table 1507.1.1(3) and IRC Table R905.1.1(3). 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.

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 of underlayment with adhered roofing systems is outside the scope of this report.

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 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 D8257 and 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 "Modern Builders Supply, Inc. - Hydroshield 25" on the [Intertek Directory of Building Products](#).

8.0 IDENTIFICATION

The underlayment is identified with the report holder's name (Modern Builders Supply, Inc.), address and telephone number, the product name (Hydroshield 25), the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0329).



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	2024 IBC SECTION ¹	2024 IRC SECTION ¹
Physical properties	1507	R905
Ice barrier	1507.1.2	R905.1.2
Fire Classification	1505	R902.1

¹ Section numbers may be different for earlier versions of the International Codes.

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