Code Compliance Research Report
CCRR-0320

Issue Date: 08-21-2019
Revision Date: 08-11-2026
Renewal Date: 08-31-2027

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

REPORT HOLDER:
Alpha ProTech Engineered Products, LLC
301 S Blanchard St
Valdosta, GA 31601
229-242-1931
www.alphaprotech.com
dlaface@alphaprotech.com

REPORT SUBJECT:
TECHNO SB 25 and TECHNO SB ULTRA UNDERLAYMENTS

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)
- 2026, 2023 Florida Building Code (FBC), including HVHZ

NOTE: This report references 2024 Code sections. Earlier versions of the Codes may have different section numbers.

1.2 TECHNO SB 25 and TECHNO SB ULTRA have been evaluated for the following properties (see Table 1):

- Physical properties
- Ice barrier
- Fire classification

1.3 TECHNO SB 25 and TECHNO SB ULTRA have 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, roofing underlayments specified in IBC Chapter 15 and IRC Chapter 9
- In areas of the roof required by IBC Section 1507 or IRC Section R905 to have an ice barrier as described in Section 4.2 of this report.
- Use as a component of classified assemblies when installed as noted in Section 4.1.

2.0 STATEMENT OF COMPLIANCE

TECHNO SB 25 and TECHNO SB ULTRA 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.

3.0 DESCRIPTION

3.1 TECHNO SB 25: TECHNO SB 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 ± 10%. The underlayment is produced in rolls of various sizes.

3.2 TECHNO SB ULTRA: TECHNO SB ULTRA 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 129 grams per square meter ± 10%. The underlayment is produced in rolls of various sizes.

4.0 PERFORMANCE CHARACTERISTICS

4.1 Fire Classification: The 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: TECHNO SB 25 and TECHNO SB ULTRA have a permeance of 0.05 and 0.04 perms, respectively, based on testing in accordance with ASTM E96.

5.0 INSTALLATION

5.1 General:

TECHNO SB 25 and TECHNO SB ULTRA 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 job site 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 D8257-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 "Alpha ProTech Techno SB 25 and Techno SB Ultra Roofing Underlayments" on the Intertek Directory of Building Products.

8.0 IDENTIFICATION

The underlayments are identified with the manufacturer's name (Alpha ProTech), address and telephone number, the product name (TECHNO SB 25 or TECHNO SB ULTRA), the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0320).

CODE COMPLIANCE
Intertek
CCRR-####

9.0 OTHER CODES

9.1 FLORIDA BUILDING CODE

The TECHNO SB 25 and TECHNO SB ULTRA underlayments described in Sections 2.0 through 7.0 of this Research Report, comply with the Florida Building Code – Building and Florida Building Code – Residential, for the editions indicated in Section 1.1 of this report, subject to the following conditions:

9.1.1 For use outside HVHZ, the underlayment may be installed with roof coverings specified in FBC (Building) Table 1507.1.1.1 and FBC (Residential) Table R905.1.1.1, where ASTM D8257-compliant underlayments are permitted. The underlayment must be installed in accordance with the provisions of FBC (Building) Section 1507 and FBC (Residential) R905.

Additionally, the 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 FBC (Building) Section 1505.2 and Exceptions 1-4 to FBC (Residential) Section R902.1.
- Where non-classified roofing is permitted in FBC (Building) Section 1505.5

9.1.2 For use inside HVHZ, the underlayment may be installed with the roof coverings specified in FBC (Building) Table 1518.2.1, where ASTM D8257-compliant underlayments are permitted. The underlayment must be installed in accordance with the provisions of FBC (Building) Section 1518. Evaluation for use with discontinuous roof tile systems in HVHZ is outside the scope of this report.

The underlayment may be used with roof coverings permitted under the Exception to FBC (Building) Section 1516.2.1.

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.

This Code Compliance Research Report ("Report") is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Report. Only the Client is authorized to permit copying or distribution of this Report and then only in its entirety, and the Client shall not use the Report in a misleading manner. Client further agrees and understands that reliance upon the Report is limited to the representations made therein. The Report is not an endorsement or recommendation for use of the subject and/or product described herein. This Report is not the Intertek Listing Report covering the subject product and utilized for Intertek Certification and this Report does not represent authorization for the use of any Intertek certification marks. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

TABLE 1 - PROPERTIES EVALUATED

PROPERTY	APPLICABLE CODE SECTIONS[1]			
	2024 IBC	2024 IRC	2026 FBC (BUILDING)	2026 FBC (RESIDENTIAL)
Physical Properties	1507	R905	1507 and 1518.2	R904 and R905
Fire Classification	1505	R902.1	1505 1516.2	R902
Ice Barrier	1507.1.2	R905.1.2	N/A	N/A

[1]Section numbers pertain to the most recent edition cited in Section 1.1 of this Report