



LISTING INFORMATION OF Epilay - Superior, Ultra and Platinum Roofing Underlayments

SPEC ID: 30450

Epilay Inc.
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Carson, CA 90745

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Epilay Superior, Ultra and Platinum are four-layered roofing underlayments consisting of a non-woven polypropylene scrim bonded to a woven polypropylene scrim and coated on both sides. The nominal weights of the Epilay Superior, Ultra and Platinum underlayments are 2.25, 2.90 and 3.70 lb/100 ft² (110, 140 and 180 gsm) respectively. Standard size rolls are 4 feet wide (1220 mm) by 250 feet long (76 m). Other roll sizes are available upon request.

RATINGS

Epilay Superior, Ultra and Platinum roofing underlayments received Class A ratings based on the deck configuration shown below in accordance with ASTM E108:

Slope: 5:12, Combustible Deck

- Nominal 15/32" thick AC grade exterior plywood deck.
- A single layer of Epilay Superior, Ultra or Platinum roofing underlayment mechanically fastened to the plywood sheathing every 8" OC on the perimeter and 12" OC in the field with ring shank roofing nails with 1" diameter plastic cap.
- Three tab asphalt shingles complying with ASTM D3018, brick, masonry, slate, clay or concrete roof tiles, exposed concrete deck, ferrous or copper shingles or sheets, and metal sheets and shingles coverings per manufacturer's instructions.

<u>Attribute</u>	<u>Value</u>
Criteria	ASTM E108 (2010a)
Criteria	ICC-ES AC207 (2012)
CSI Code	07 30 05 Roofing Felt and Underlayment
Intertek Services	Certification
Listed or Inspected	LISTED
Listing Section	ROOFING MATERIALS
Report Number	G101234419

DRAWING INDEX

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Intertek Research Report IRR-1004

Issue Date: 10-01-2013
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DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION
Section: 07 30 05 – Roofing Felt and Underlayment

REPORT HOLDER:
EPILAY INC.
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Carson, California 90745
<http://www.epilay.com>

Report Subject:
EPILAY SUPERIOR, ULTRA and PLATINUM ROOF UNDERLAYMENTS

1.0 SCOPE OF EVALUATION

This research report addresses compliance with the following codes:

- 2012 and 2009 *International Building Code*® (IBC)
- 2012 and 2009 *International Residential Code*® (IRC)

Epilay Superior, Ultra and Platinum roof underlayments have been evaluated for the following properties:

- Physical properties
- Fire Classification

2.0 USES

Epilay Superior, Ultra and Platinum roof underlayments are used 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. The underlayments may be used as components of classified assemblies when installed as described in this report.

The underlayments have been evaluated for the following properties:

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

¹Referenced sections apply to 2012 and 2009 IBC and IRC

3.0 DESCRIPTION

Epilay Superior, Ultra and Platinum are four-layered roofing underlayments consisting of a non-woven polypropylene scrim bonded to a woven polypropylene scrim and coated on both sides. The nominal weights of the Epilay Superior, Ultra and Platinum underlayments are 2.25, 2.90 and 3.70 lb/100 ft² (110, 140 and 180 g/m²) respectively. Standard size rolls are 4 feet wide (1220 mm) by 250 feet long (76 m). The

Epilay Superior, Ultra and Platinum underlayments have water vapor transmission of 0.154, 0.326 and 0.142 perms (outdoor to indoor) respectively when tested in accordance with ASTM E96 (Method B – water method).

4.0 INSTALLATION

4.1 General:

Installation of the underlayments must comply with the applicable code, this report, and the report holder's published installation instructions.

The underlayments must be installed in accordance with the subsections of IBC Section 1507 and IRC Section R905 applicable to the roof covering being installed. The underlayments 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.

4.2 Ice Barrier:

The Epilay roof underlayments have not been evaluated for use as an ice barrier. In areas of the roof required by IBC Section 1507 or IRC Section R905 to have an ice barrier, a self-adhering polymer modified bitumen sheet complying with ASTM D1970, or two layers of code-complying underlayment solidly cemented together, must be used such that the ice barrier extends up the roof a minimum distance of 24 inches (610 mm) inside the interior wall line of the building. The Epilay Superior, Ultra and Platinum underlayments installed in the field of the roof must overlap the ice barrier.

4.3 Fire Classification:

The Epilay Superior, Ultra and Platinum roof underlayments 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 of brick, masonry, slate, clay or concrete roof tile, exposed concrete roof deck, ferrous or copper shingles or sheets, and metal sheets and shingles.

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5.0 CONDITIONS OF USE

The Epilay Superior, Ultra and Platinum roof underlayments described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 Installation must comply with this report, the applicable code and the report holder's published installation instructions. The provisions of this report take precedence over the provisions in the report holder's installation instructions.

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

5.3 Installation is limited to installations where the roof covering does not involve hot asphalt or coal-tar pitch.

5.4 Installation is limited to roof slopes of 2:12 (17%) or greater.

5.5 Attic ventilation must be provided in accordance with the applicable code since there are no requirements to evaluate vapor permeability of the underlayment.

5.6 The Epilay Superior, Ultra and Platinum roof underlayments have not been evaluated for use as ice barriers.

5.7 Epilay Superior, Ultra and Platinum roof underlayments are manufactured under a quality control program with inspections by Intertek Testing Services NA Ltd. (AA-690).

5.8 The approval of building products is the responsibility of the Authority Having Jurisdiction.

5.9 Intertek Research Reports shall not be used in any manner that implies an endorsement of the product, material or system by Intertek.

5.10 The current status of any Intertek Research Report can be verified on the Intertek Directory of Certified Products (<https://whdirectory.intertek.com>).

6.0 SUPPORTING EVIDENCE

6.1 Reports of tests in accordance with ASTM E 108.

6.2 Data in accordance with the ICC-ES Acceptance Criteria for Polypropylene Roof Underlayments (AC 207), dated February 2012.

6.3 Intertek Warnock Hersey Listing Report "Epilay Superior, Ultra and Platinum Roofing Underlayments" on <https://whdirectory.intertek.com>.

7.0 IDENTIFICATION

The roof underlayments are marked at 24-inch (0.61 m) intervals with the product name (Superior, Ultra or Platinum). Each roll of the product is labeled with the report holder's name (Epilay Inc.), the product name, the manufacturing date code, and the Intertek Research Report number (IRR-1004).

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