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ESR-2634

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Reissued 07/2016

This report is subject to renewal 07/2017.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

SECTION: 07 30 05—ROOFING FELT AND UNDERLAYMENT

REPORT HOLDER:

TARCO

**ONE INFORMATION WAY, SUITE 225
LITTLE ROCK, AR 72202**

EVALUATION SUBJECT:

**LEAKBARRIER® EASYLAY® HPP ASPHALT SATURATED UNDERLAYMENT,
LEAKBARRIER® EASYLAY® UDL BASIC, LEAKBARRIER® EASYLAY® UDL 50**



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**DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION**

Section: 07 30 05—Roofing Felt and Underlayment

REPORT HOLDER:

TARCO
ONE INFORMATION WAY, SUITE 225
LITTLE ROCK, ARKANSAS 72202
(501) 945-4506
www.tarcoroofing.com

EVALUATION SUBJECT:

**LEAKBARRIER® EASYLAY® HPP ASPHALT
SATURATED UNDERLAYMENT, LEAKBARRIER®
EASYLAY® UDL BASIC, LEAKBARRIER® EASYLAY®
UDL 50**

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

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

Properties evaluated:

- Physical properties
- Ice barrier

1.2 Evaluation to the following green standards:

- 2013 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2012 and 2008 ICC 700 *National Green Building Standard*™ (ICC 700-2012 and ICC 700-2008)

Attributes verified:

- See Section 2.0

2.0 USES

LeakBarrier® EasyLay® HPP Asphalt Saturated Underlayment, LeakBarrier® EasyLay® UDL Basic and LeakBarrier® EasyLay® UDL 50 are used as alternatives to ASTM D226, Type I and Type II, roofing underlayments as an ice barrier and as specified in IBC Chapter 15 and IRC Chapter 9.

The attributes of the LeakBarrier® EasyLay® HPP Asphalt Saturated Underlayment, LeakBarrier® EasyLay® UDL Basic and LeakBarrier® EasyLay® UDL 50 underlayments have been verified as conforming to the provisions of (i)

CALGreen Section A4.407.5; (ii) ICC 700-2012 Sections 602.1.13, 11.602.1.13 and 12.5.602.1.14; and (iii) ICC 700-2008 Section 602.10 for ice barriers. Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. These codes or standards often provide supplemental information as guidance.

3.0 DESCRIPTION

3.1 LeakBarrier® EasyLay® HPP Asphalt Saturated Underlayment:

LeakBarrier® EasyLay® HPP Asphalt Saturated Underlayment is a 20-mil-thick [0.02 inch (0.5 mm)] membrane composed of a polyester sheet coated with asphalt. The membrane has a nominal weight of 42 pounds per 400 square feet.

3.2 LeakBarrier® EasyLay® UDL Basic:

LeakBarrier® EasyLay® UDL Basic is a 10-mil-thick [0.01 inch (0.25 mm)] polyolefin-based synthetic membrane, composed of a woven-polymeric scrim with a textured fabric on the top surface. The membrane has a nominal weight of 32 pounds per 1,000 square feet.

3.3 LeakBarrier® EasyLay® UDL 50:

LeakBarrier® EasyLay® UDL 50 is a 16-mil-thick [0.016 inch (0.4 mm)] synthetic membrane composed of a woven-polymeric scrim with a non-woven fabric on the top surface and a rubberized polymeric coating on the back surface. The membrane has a nominal weight of 43 pounds per 1,000 square feet.

4.0 INSTALLATION

Installation of LeakBarrier® EasyLay® HPP Asphalt Saturated Underlayment, LeakBarrier® EasyLay® UDL Basic and LeakBarrier® EasyLay® UDL 50 must comply with this report and the manufacturer's published installation instructions. The manufacturer's published installation instructions must be available at the jobsite at all times during installation.

The deck surfaces must be dry and free of dust, dirt, and loose nails and other protrusions, prior to application of the underlayment. Damaged deck must be replaced.

End (vertical) and edge (horizontal) seams must be overlapped a minimum of 8 inches and 4 inches (203 and 102 mm), respectively. The overlaps run with the flow of water in a shingling manner. Flashing, in accordance with

the applicable code, must be installed.

Two layers of underlayment must be used for roof slopes from 2:12 (16.7 percent slope) to 4:12 (33.3 percent slope), in accordance with IBC Section 1507.2.8 or IRC Section R905.2.7.

When installed as an ice barrier under the IBC or IRC, the underlayments are applied in sufficient courses to extend from the eave edge to a point at least 24 inches (610 mm) inside the exterior wall line of the building.

Installation of the roof covering can proceed immediately following the membrane application. For reroofing applications, the same procedures apply after removal of the existing shingles and roofing felts to expose the roof deck.

5.0 CONDITIONS OF USE

The LeakBarrier® EasyLay® HPP Asphalt Saturated Underlayment, LeakBarrier® EasyLay® UDL Basic and LeakBarrier® EasyLay® UDL 50 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 manufacturer's published installation instructions. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.
- 5.2 Installation of underlayment is limited to roof slopes of 2:12 (16.7 percent) and greater and installations where the roof covering does not involve hot asphalt or coal tar pitch.
- 5.3 Installation is limited to structures located in areas where nonclassified roof coverings are permitted or as a component of a classified roofing assembly when specifically recognized as such in a listing approved by the code official.

5.4 Installation is limited to roofs with ventilated attic spaces in accordance with the requirements of the applicable code.

5.5 Installation is limited to use with roof coverings that are mechanically fastened through the underlayment to the sheathing or rafters.

5.6 The LeakBarrier® EasyLay® HPP Asphalt Saturated Underlayment is manufactured in Belton, Texas, under a quality control program with inspections by ICC-ES.

5.7 The LeakBarrier® EasyLay® UDL Basic and LeakBarrier® EasyLay® UDL 50 underlayments are manufactured in Santej, Gujarat, India, under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Roof Underlayments (AC188), dated February 2012 (editorially revised February 2014).
- 6.2 Data in accordance the ICC-ES Acceptance Criteria for Self-adhered Roof Underlayments for Use as Ice Barriers (AC48), dated February 2012 (editorially revised May 2014).

7.0 IDENTIFICATION

Each roll of LeakBarrier® EasyLay® HPP Asphalt Saturated Underlayment, LeakBarrier® EasyLay® UDL Basic and LeakBarrier® EasyLay® UDL 50 must be marked with the manufacturer's name (TARCO) and address, the name of the product and the evaluation report number (ESR-2634).