

## ICC-ES Evaluation Report

**ESR-2634**

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*This report is subject to re-examination in two years.*[www.icc-es.org](http://www.icc-es.org) | (800) 423-6587 | (562) 699-0543

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**DIVISION: 07—THERMAL AND MOISTURE PROTECTION**  
**Section: 07305—Roofing Felt and Underlayment****REPORT HOLDER:****TARCO**  
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[www.tarcoroofing.com](http://www.tarcoroofing.com)**EVALUATION SUBJECT:****LEAKBARRIER® EASYLAY® HPP ASPHALT  
SATURATED UNDERLAYMENT****1.0 EVALUATION SCOPE****Compliance with the following codes:**

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)

**Properties evaluated:**

- Physical properties
- Ice barrier

**2.0 USES**

LeakBarrier® EasyLay® HPP Asphalt Saturated Underlayment is used as an alternative to ASTM D 226, Type I and Type II, roofing underlayments as an ice barrier and as specified in IBC Chapter 15 and IRC Chapter 9.

**3.0 DESCRIPTION**

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 100 square feet (2.05 kg/m<sup>2</sup>).

**4.0 INSTALLATION**

Installation of LeakBarrier® EasyLay® HPP Asphalt Saturated Underlayment 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.

The underlayment must be installed above ventilated attic spaces, as it is considered a vapor retarder.

When installed as an ice barrier under the IBC or IRC, the underlayment is 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 described in this report complies with, or is a suitable alternative 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. Where classified roof coverings are required, substantiating data must be provided to the code official for approval.
- 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 underlayment is manufactured in Belton, Texas, under a quality control program with inspections by Underwriters Laboratories Inc. (AA-668).

#### **6.0 EVIDENCE SUBMITTED**

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Roof Underlayments (AC188), dated July 2007.

- 6.2 Data in accordance the ICC-ES Acceptance Criteria for Roof Underlayments for Use in Severe Climate Areas (AC48), dated October 2005 (editorially revised August 2007).

#### **7.0 IDENTIFICATION**

Each roll of LeakBarrier® EasyLay® HPP Asphalt Saturated Underlayment must be marked with the manufacturer's name (Tarco) and address, the name of the product, the name of the inspection agency (Underwriters Laboratories Inc.) and the evaluation report number (ESR-2634).