



# PRI Evaluation Report

PRI ER 2221E01-FBC2023

Issue Date: 06/10/2025

Last Revision: Original Issue

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## Report Holder:

### Epilay Inc.

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## SCOPE

### Subject: Roof Coating

#### Products:

ProtectKote HU-100

#### CSI MasterFormat®:

DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION  
Sub-level 2: 07 56 00 – Fluid-Applied Roofing

#### Code References:

- F.A.C. Rule 61G20-3
- Florida Building Code, 8<sup>th</sup> Edition (2023)

#### Properties Evaluated:

- Physical Properties (ASTM D6083)

#### Evidence Submitted:

- Recognized test report(s) indicating compliance with ASTM D6083
- Quality Documentation
- Manufacturer's Drawings and Installation Instructions

#### Manufacturing Locations:

Factory ID	Location
Private Label	Umm al Quwain, UAE

## PRODUCT DESCRIPTIONS and APPLICATIONS

Product with Description:	Factory IDs:	Dimensions:
ProtectKote HU-100 Product is a two-component, hybrid urethane roof coating. The product is applied by brush, roller, or sprayer. The product has a 12 month shelf life from the date of manufacture when stored unopened, out of direct sunlight between 45°F and 120°F.	Private Label	5 gallon pail

#### Physical Properties:

Roof coatings covered under this report have been tested for physical properties in accordance with ASTM D6083 and qualify for use under the following code:

- FBC 1507.10.2, 1507.14.3, and 1509.2
- FRC R905.9.2, R905.11.2, and R905.14.3

The product shall be limited to application over the following substrates:

- Concrete
- Clay roof tile
- Galvanized steel
- "Aged" EPDM single-ply membranes
- PVDF (Kynar) coated metal
- "Aged" smooth BUR membranes
- Granulated mod-bit membranes
- "Aged" PVC single-ply membranes
- "Aged" TPO single-ply membranes
- Sprayed polyurethane foam roofing



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## **INSTALLATION – GENERAL**

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Roof coatings covered under this report must be installed in accordance with the applicable code, this report, and the manufacturer's published installation instructions, which must be available at all times on the jobsite during installation.

Roof coatings covered under this report have been evaluated for application to a new or existing roof covering. Application as a fluid-applied roof membrane is outside the scope of this evaluation.

Roof slopes must be minimum 0.5:12 (4.2% slope or 2°). Prior to application, roof substrate must be clean, completely dry, and free from any free of any dirt and debris. Power-wash to remove all dust and debris and allow to dry. Examine substrate and conduct adhesion test to verify adhesion of coating prior to start, pre-stripe all flashings and penetrations, and repair before coating application commences.

Prepare coating by pouring the contents of Part B into the Part A container and mixing thoroughly with a proprietary 3" minimum diameter mixing blade for 2 to 3 minutes until a homogenous consistency is achieved. All the mixed material should be used within 90 minutes at 68°F or 45 minutes at 86°F.

### **Application:**

ProtecKote HU-100 shall not be applied in inclement weather conditions or when the ambient temperature is below 40°F or above 100°F.

ProtecKote HU-100 shall be applied in minimum of 2 coats. Apply the first coat of ProtecKote HU-100 on all areas with a brush / roller or spray at a coverage rate of 1.5 gallons/100ft<sup>2</sup> [Dry Film Thickness (DFT) should be minimum 22 mils] and allow to dry. Apply the second coat in a perpendicular direction to the previous coat at a coverage rate of 1.5 gallons/100ft<sup>2</sup>. Allow at least four hours between coats and 24–48 hours for full cure, depending upon weather conditions. Relative humidity will directly affect drying/curing time. Avoid over application.

For critical areas, it is recommended to pre-treat all areas prior to commencement of the coating application. Apply the first coat of ProtecKote HU-100 with a brush on all corners and around the pipe penetrations extending up to 8 inches on either side. A fiber mesh/geotextile fleece shall be embedded in the wet first coat. A second coat shall be applied after the first coat has dried.



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## CONDITIONS OF USE & IDENTIFICATION

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The products described in this report comply with, or are suitable alternatives to, the codes listed in this report, subject to the following conditions:

- The products as well as the installation methods must be in compliance with the applicable code, this report, and the installation instruction provided by the manufacturer. If the manufacturer's installation instructions differ from what is listed in this report, this report governs.
- This report does not supersede the local jurisdiction regulations and the final approval of the building products, materials, or systems in this report is the responsibility of the authorities having jurisdiction.
- This report is only valid if the product(s) and/or the referenced documentation/codes related to the products do not change. If there is a change in product(s) and/or the referenced documentation/codes related to the products, PRI Construction Materials Technologies, LLC must be informed and further action may be necessary to revalidate this report.
- This report, in its entirety, must be available at job sites upon request by the user or for inspection by the Building Official. A copy of this report in full shall be provided by the manufacturer or its distributors.
- The products are identified by marks bearing the report holder's name, the manufacture location, the product name, and the Seal of PRI Validation Program for Building Materials. The Seal shall indicate, at a minimum, the following:
  - a. ASTM D6083
- The products are manufactured at the locations listed in this report and are manufactured under a quality control program with inspections and/or surveillance by PRI Construction Materials Technologies, LLC.
- This report is a supplement to product certification. The products listed herein must be certified separately under the PRI Validation Program for Building Products. This report alone is not a product certification and requires separate product certification under the PRI Validation Program for Building Products to be valid.
- The current status of this report as well as a directory of certified products, including supplemental PRI Evaluation Reports, can be found at [pri-group.com](http://pri-group.com).

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