



PRI Evaluation Report

PRI ER 2356E01

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This Report is Reviewed Annually

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Report Holder: **Tesla Inc.**
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SCOPE

Subject: Underlayments

Products:

Solar Roof (SR-SAUL-3) Self-Adhered Roofing Underlayment

CSI MasterFormat®:

DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION
Sub-level 2: 07 30 00 – Steep Slope Roofing

Code References:

- 2021, 2018, and 2015 International Building Code® (IBC)
- 2021, 2018, and 2015 International Residential Code® (IRC)

Properties Evaluated:

- Physical Properties (ASTM D1970)
- Physical Properties (ICC-ES AC188)

Evidence Submitted:

- Recognized test report(s) indicating compliance with ASTM D1970
- Recognized test report(s) indicating compliance with ICC-ES AC188
- Quality Documentation
- Manufacturer’s Drawings and Installation Instructions

Manufacturing Locations:

Factory ID	Location
Private Label	Private Label

PRODUCT DESCRIPTIONS and APPLICATIONS

Product with Description:	Factory IDs:	Dimensions:
Solar Roof (SR-SAUL-3) Self-Adhered Roofing Underlayment Product is a fiberglass reinforced underlayment using proprietary flame retardant coatings and modified butyl adhesive on the underside.	Private Label	Length: 65 ft Width: 38 in Thickness: 53 mils

Physical Properties:

Underlayments covered under this report have been tested for physical properties in accordance with ASTM D1970 and ICC-ES AC188 and qualify for use under the following code:

- 2021, 2018, and 2015 IBC Chapter 15
- 2021, 2018, and 2015 IRC Chapter 9

Ice Barrier:

Underlayments covered under this report may be used as ice barriers in accordance with the following code:

- 2021, 2018, and 2015 IBC Chapter 15
- 2021, 2018, and 2015 IRC Chapter 9

When installed as an ice barrier, underlayment shall extend from lowest edges of roof surface to a point not less than 24 inches inside the exterior wall line of the building.



INSTALLATION – GENERAL

Underlayments 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. The underlayments are not the primary roof cover and as such are not intended to be left permanently exposed to direct weather.

Underlayments covered under this report have been evaluated for application to wood decks. Application to other surfaces is outside the scope of this evaluation.

Roof slopes must be minimum 2:12 (16.67% slope or 9°). Prior to application, all underlayments shall be unrolled and allowed to relax for 3-5 min. The underlayment shall be installed with the release backer removed and pressed firmly into place to ensure complete contact with the deck. The minimum application temperature is 40°F and the manufacturer must be contacted when installing below this temperature.

Underlayments covered under this report are moisture and vapor barriers. The spaces under the covered deck area and the attic space must be properly ventilated in accordance with local building codes.

Underlayments covered under this report are intended for exterior applications only.

Deck:

The roof deck must be code-complying, exterior-grade wood structural panel sheathing complying with DOC PS-1 or DOC PS-2 and minimum ³/₈ inch (9.5mm) thick; solid lumber sheathing using minimum nominal 1 by 6 lumber is permitted. Deck surface shall be clean, smooth, dry, free of debris, and

structurally sound prior to installing underlayment. All deck fasteners shall be checked for protrusion and corrected prior to underlayment application. Replace any damaged or rotted deck.

Fasteners:

Fasteners are not used in application of underlayments covered under this report.

Asphalt Cement:

Asphalt cement is not used in conjunction with underlayments covered under this report.

Asphalt Primer:

Asphalt primer is not used in conjunction with underlayments covered under this report.

Flashing:

Underlayments covered under this report may be used as flashing material where self-adhering polymer modified bitumen sheet and/or ASTM D1970 are referenced in the code.

Reroofing:

Prior to the reroofing, all existing roofing must be removed down to the deck. Exposed deck surface shall be clean, smooth, dry, free of debris, and structurally sound prior to installing underlayment. All deck fasteners shall be checked for protrusion and corrected prior to underlayment application. Replace any damaged or rotted deck.

INSTALLATION – UNDERLAYMENTS

Solar Roof (SR-SAUL-3) Self-Adhered Roofing Underlayment: SR-SAUL-3 is intended to be used as the underlayment for the entire roof with mechanically attached roof coverings, including Tesla’s Solar Roof tiles. Optionally, SR-SAUL-3 may be applied as waterproof barrier around eaves, rakes, valleys, vents, chimneys, skylights, and other areas of roof detail that may benefit from additional protection against water infiltration; along a valley, SR-SAUL-3 can be installed as a valley liner. SR-SAUL-3 is not fire classified and is limited to buildings permitted to have non-classified roofing

SR-SAUL-3 shall be installed as directed in the published installation instructions. Side laps shall be a minimum of 3 inches. End laps shall be a minimum of 6 inches. To ensure adhesion at the end lap, apply pressure to contact self-adhesive to surfacing. Shingle laps, with the upslope piece overlapping the downslope piece, shall be implemented. UV exposure on the roof deck shall be limited to a maximum of 30 days.



CONDITIONS OF USE & IDENTIFICATION

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 D1970
 - b. ICC-ES AC188
- 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.

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