ICC-SRCC™ LISTING CERTIFICATE

Solar Thermal Listing Program

LISTING NUMBER: SRCC-16005

EXPIRATION DATE: April 1, 2023

www.solar-rating.org (888) 422-7233 *3060 Saturn Street, Suite 100, Brea, CA 92821 USA*

A Program of the ICC Evaluation Service (ICC-ES) – www.icc-es.org

CSI

DIVISION: 22 00 00 – PLUMBING
Section: 22 10 00 – PLUMBING PIPING AND PUMPS
Section: 22 35 00 -DOMESTIC WATER HEATER EXCHANGES

DIVISION: 23 00 00 – HEATING
Section: 23 56 13 – HEATING SOLAR COLLECTORS
Section: 26 56 16 -PACKAGE SOLAR HEATING EQUIPMENT

PRODUCT CERTIFICATION PROGRAM

The ICC-SRCC Solar Thermal Standard Listing Program is conducted in accordance with the latest version of the *ICC-SRCC Solar Thermal Listing Program Guidelines*. The program includes evaluation of the manufacturer's quality assurance systems to assess continued compliance with applicable codes and standards.

PRODUCTS Solar Thermal Collectors

LISTEE

Solpal, Inc. – a subsidiary of
GREENoneTEC
Solarindustrie, GmbH
1135 Garnet Avenue
San Diego, CA 92109 U.S.A.

www.solpal.us
(888) 400-1721

COMPLIANCE WITH:

STANDARDS & CRITERIA

- SRCC EM-1, Methodology for Determining Compliance with State and Federal Lead in Plumbing Laws for Solar Heating and Cooling Equipment, 10/28/2015. Shows compliance with:
  - Reduction of Lead in Drinking Water Act, California Health and Safety Code § 116875
  - Vermont Lead Reduction Law (Vermont Act 193)
  - Louisiana Reduction of Lead Act (Louisiana Act 362)
  - Maryland Lead-Free Materials Act (HB 372)
  - Reduction of Lead in Drinking Water Act (Section 1417 of the Federal Safe Drinking Water Act (SDWA))
  - NSF 372-2010, Drinking Water System Components – Lead Content***

*** *NSF Standards are copyrighted publications of NSF International.*

COLLECTOR MODELS

TYPE	MODEL	OG-100 CERTIFICATION
ICS Glazed	Solpal L Plus	10001930

The products listed above have been evaluated by the Solar Rating & Certification Corporation (ICC-SRCC™), an ISO/IEC 17065 accredited and EPA recognized Certification Body, in accordance with the *ICC-SRCC Solar Thermal Listing Program Operating Guidelines* and has been listed by the ICC-SRCC to the codes and standards above. This award of listing is subject to all terms and conditions of the *ICC-SRCC Solar Thermal Listing Program Agreement,* and the documents incorporated therein by reference.

** Current certifications to the ICC-SRCC OG-100 and OG-300 programs are available at http://www.solar-rating.org/directory*

INSTALLATION

Solar thermal collectors must be installed in accordance with the manufacturer's published installation instruction, the applicable code(s) add this listing. Where differences exist, the instructions in this listing must govern.

Where the product requires periodic examination, adjustment, service and or maintenance it must be easily and safely in accordance with the codes in force at the installation site.

Collectors and supports shall be installed in such a manner that water flowing off the collector will not damage the building or cause premature erosion of the roof. Collectors shall be installed in such a manner as to minimize the accumulation of debris. Ground-mounted collectors shall be at least 6" above ground level.

Structural supports shall be selected and installed in such a manner that thermal expansion of the collector and piping will not cause damage to the collector, structural frame or building. Neither wind loading (including uplift) nor the additional weight of filled collectors shall exceed the live or dead load ratings of the building, roof, roof anchorage, foundation or soil. Collector supports shall not impose undue stresses on the collectors. The design load shall be as specified by the codes in force at the installation site and shall include an additional load due to snow accumulation for applicable locations.

CONDITIONS OF LISTING

1. Devices and components shall be installed and used in accordance with the manufacturer's published installation instructions and the applicable code(s) and standard(s).
2. Systems shall be sized in accordance with the demand, manufacturer's requirement, and local codes.
3. System components requiring access for maintenance and inspection shall be installed to provide required access in accordance with manufacturer's instructions and local codes.
4. Solar thermal collectors shall be installed in accordance with the requirements of ISPSC Section 316.6, and 2606.12 of the 2018-IBC (and Section 3139B.1 of the CBC in CA), IgCC Section 607.3
5. Solar thermal collectors shall not be installed below flood elevation level of USHGC Section 302.3
6. Solar thermal collectors shall only be used with water per manufacturer's requirements.
7. Each installation must be pressure-tested for leaks in the presence of the code official or code official's designated representative.
8. Penetrations through fire-resistance-rated walls and roof decks shall comply with Section 712 of the 2018 IBC and Section 714 of the 2021 IBC.
9. Solar thermal components shall use approved mounting hardware in compliance with the manufacturer's installation instructions and the requirements set forth by the Authority Having Jurisdiction.
10. Solar thermal collectors shall be installed to prevent water intrusion into roof assemblies in accordance with the requirements of Section 1503.2 of the IBC.
11. Devices and components are manufactured by Solpal, Inc under a quality control program with surveillance inspection every two years conducted in accordance with the requirements of ICC-SRCC.

MARKING

Models listed above were evaluated to the codes and standards listed in accordance with the *ICC-SRCC Solar Thermal Listing Program Guidelines* and are eligible to display the following mark as governed by the *ICC-SRCC Solar Thermal Listing Program Agreement*. Each device or component shall also be permanently marked with manufacturer's name or trademark, model name and/or number, recommended working fluids, maximum working temperature and pressure, and recommended flow rate(s).

Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by the Solar Rating and Certification Corporation, express or implied as to any finding or other matter in this listing, or as to any product covered by the listing. This document must be reproduced in its entirety.

Shawn Martin
Vice President of Technical Services, ICC-SRCC