SOLAR RATING & CERTIFICATION CORPORATION

An ICC Evaluation Service Program

Solar Thermal Product Listing

No./ SRCC-17001

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www.solar-rating.org | **(800) 423-6587** | **(562) 699-0543**

CSI:

DIVISION: 22 00 00 – PLUMBING
Section: 22 33 30.23 – SOLAR DOMESTIC WATER HEATER SYSTEMS
Section: 22 50 00 - POOL PLUMBING SYSTEMS

DIVISION: 23 00 00 – HEATING
Section: 23 56 13 – HEATING SOLAR COLLECTORS

PRODUCT LISTING PROGRAM:

The ICC-SRCC Solar Thermal Listing Program is conducted in accordance with the *ICC-SRCC Rules for Solar Heating & Cooling Product Listing Reports*. The program also includes periodic factory inspections and surveillance of the manufacturer's quality management system.

PRODUCTS: SOLAR THERMAL COLLECTORS

LISTEE:

Techno-Solis, Inc.
301 20th Street South
St. Petersburg, FL 33712, USA

www.techno-solis.com
(727) 823-6766

COMPLIANCE WITH:

CODES

- 2024, 2021, 2018 Uniform Solar, Hydronics & Geothermal Code®*
- 2024, 2021, 2018 Uniform Swimming Pool & Hot Tub Code®*
- 2024, 2021, 2018 Int'l Swimming Pool & Spa Code® (ISPSC)**
- 2024, 2021, 2018 Int'l Energy Conservation Code® (IECC)**
- 2024, 2021, 2018 Int'l Green Construction Code® (IgCC)**
- 2023, 2020 Florida Building Code - Residential, 7th Edition (FBC)
- 2024, 2022 California Green Building Standards Code® (CALGreen)

STANDARDS & CRITERIA

- NSF 50-2021, Equipment for Swimming Pools Spas and Hot Tubs***
- ICC 901/SRCC 100-2020, Solar Thermal Collector Standard

**Uniform Codes are copyrighted publications and trademarks of the International Association of Plumbing and Mechanical Officials (IAPMO)*
***International Codes are copyrighted publications and trademarks of the International Code Council (ICC)*
**** NSF Standards are copyrighted publications of NSF International.*

COLLECTOR MODELS:

TYPE	MODEL	SIZES (ft^2)	OG-100 CERTIFICATION NO*
Unglazed Flat Plate	C15TS08	31.4	10002063
Unglazed Flat Plate	C15TS10	39.5	10002063
Unglazed Flat Plate	C15TS12	47.3	10002063
Unglazed Flat Plate	C20TS08	31.7	10002063
Unglazed Flat Plate	C20TS10	39.8	10002063
Unglazed Flat Plate	C20TS12	47.6	10002063

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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 Rules for Solar Heating & Cooling Product Listing Reports* 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 Rules for Solar Heating & Cooling Product Listing Reports,* 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. Where used in solar pool heating systems, the pipe and fittings used in conjunction with this collector shall be recognized for use in pool and spa applications.
6. Solar thermal collectors shall not be installed below flood elevation level of USHGC Section 302.3
7. Solar thermal collectors shall only be used with water per manufacturer's requirements.
8. Each installation must be pressure-tested for leaks in the presence of the code official or code official's designated representative.
9. 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.
10. 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.
11. 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.
12. Devices and components are manufactured by Techno-Solis, Inc under a quality control program with surveillance inspection every two years conducted in accordance with the requirements of ICC-SRCC.

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IDENTIFICATION:

Models listed above are eligible to display the following listing marks as governed by the *ICC-SRCC Rules for Mark and Certificate Use*. Each device or component shall also be permanently marked with the following information as required by the codes and standards listed above.

1. Manufacturer's name and model number.
2. Maximum operating pressure.
3. Compatible heat transfer fluids.

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.

Vincent Chui, S.E. VP of Evaluation Services

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