

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	USE OF MATERIALS BULLETIN NO 100
ASSISTANT SECRETARY FOR HOUSING FEDERAL HOUSING COMMISSIONER	Date Issued: August 15, 1993
TO: DIRECTORS, HOUSING DEVELOPMENT DIVISION	
SUBJECT: HUD BUILDING PRODUCT STANDARDS AND CERTIFICATION PROGRAM FOR SOLAR WATER HEATING SYSTEMS	

Members of the HUD staff processing cases and inspecting construction, shall use this information in determining acceptability of the subject products for the use indicated.

This bulletin should be filed with bulletins on Special Methods of Construction and Materials as required by prescribed procedures. Additional copies may be requisitioned by the Field Offices.

The technical description, requirements and limitations expressed herein do not constitute an endorsement, approval or acceptance by the Department of Housing and Urban Development (HUD/FHA) of the subject matter, and any statement or representation, however made, indicating approval or endorsement by the Department of Housing and Urban Development is unauthorized and false, and will be considered a violation of the United States Criminal Code 18, U.S.C. 709.

Any reproduction of this Bulletin must be in its entirety and any use in sales promotion or advertising is not authorized.

Subject to good workmanship, compliance with applicable codes, and the methods of application listed herein, the products described in this bulletin may be considered suitable for HUD housing programs, including Housing for the Elderly and Care-Type Housing.

The eligibility of a property under these programs is determined on the property as an entity and involves the consideration of underwriting and other factors not indicated herein. Thus, compliance with this bulletin should not be construed as qualifying the property as a whole, or any part thereof, as to its eligibility.

The method of application for the products listed herein are considered a part of the HUD Minimum Property Standards and shall remain effective until this bulletin is cancelled or superseded.

HUD BUILDING STANDARDS & CERTIFICATION PROGRAM
FOR SOLAR WATER HEATING SYSTEMS

GENERAL - ADMINISTRATION AND PROCEDURES:

This certification program shall be administered by organizations that qualify under the Administrator Qualifications and Procedures of the HUD Building Product Standards and Certification Program, described in 24 CFR 200.935, except as modified by the provisions of this Use of Materials Bulletin No. 100. Copies of these Administrator Qualifications and Procedures for HUD Building Products Standards and Certification Program may be obtained from:

Department of Housing & Urban Development
Office of Manufactured Housing & Regulatory Functions
451 Seventh St SW, Attention Mail Room B-133
Washington DC 20410-8000

The solar water heating system shall consist of all the components of the system and installation methods for a fully operational system.

The procedures for carrying out the certification program for solar water heating systems shall be in accordance with 24 CFR Section 200.xxx and with Section 200.xxx which supplement 200.935 by providing that:

1. The certification label containing the Administrator's mark shall be permanently affixed on the solar collector and be visible after the product has been installed.
2. The following additional information shall be on the certification label:
 - (a) The manufacturer's statement of conformance to UM 100.
 - (b) The manufacturer's statement of conformance to Solar Rating and Certification Corporation (SRCC) Standard OG-300-93.
 - (c) The manufacturer's name and code identifying the manufacturer's plant.

(d) The manufacturer's designation, series, or model number.

(e) The thermal performance rating.

3. The Administrator shall visit the manufacturer's facility every two years to assure that the initially accepted quality assurance procedures are being followed. At least every four years, the Administrator shall test the collector in a laboratory approved by the Administrator.

STANDARDS:

All solar water heating systems shall be designed, manufactured, tested, and installed in conformance with the following standard:

Solar Rating and Certification Corporation (SRCC) Standard OG-300-93, Operating Guidelines and Minimum Standards for Certifying administration section)¹.

INSTALLATION:

The installation of solar water heating systems shall be in accordance with the manufacturer's installation instructions.

WARRANTY:

The manufacturer shall provide, at no cost, a full five (5) year warranty on the absorber plate, cooling passages, and the collector (excluding glass), from the date of installation, against defects in material or workmanship. The warranty shall also include the full costs of field inspection, parts, and labor required to remedy the defects. This will encompass replacement at the site if required. This warranty shall not cover defects resulting from exposure to harmful materials, fire, flood, lightning, hurricane, tornado, hailstorms, windstorms, earthquakes, or other acts of GOD, vandalism, explosions, harmful chemicals or other fluids, fumes or vapors. This exclusion will also apply to the operation of the collector under excessive pressures or excessive flow rates, misuse, abuse, negligence, accidents, alterations, falling objects or other causes beyond the control of the manufacturer. Following the initial five years, the manufacturer shall provide a limited no cost five-year warranty for collector parts on a pro-rata allowance.

¹Solar Rating and Certification Corporation (SRCC)
777 North Capitol Street, NE
Suite 805
Washington, DC 20002-4226

ADMINISTRATORS:

Qualified organizations interested in becoming Administrators under the HUD Building Product Standards and Certification Program for Solar Water Heating Systems, shall submit their request to HUD Headquarters, Office of manufactured Housing and Regulatory Functions, 451 7th Street, SW, Attention Mail Room B-133, Washington DC 20410-8000.

HUD Field Offices will maintain a file of all directories furnished by the Administrators and accept only products listed in the directories. The Administrators accepted by HUD as qualified to validate solar water heating systems in the Use of Materials Bulletin No. 100 will be listed in the final rule.

FACSIMILES OF LABELS FOR ACCEPTED ADMINISTRATORS

USE OF MATERIALS BULLETIN NO. 100
SOLAR WATER HEATING SYSTEMS



Solar Rating & Certification Inc.
1730 N. Lynn Street
Arlington, Va. 22209