

Australian Standard®

**Solar heating systems for
swimming pools**

This Australian Standard was prepared by Committee CS/28, Solar Water Heaters. It was approved on behalf of the Council of Standards Australia on 14 June 1989 and published on 18 August 1989.

The following interests are represented on Committee CS/28:

Australian and New Zealand Solar Energy Society
Australian Gas Association
CSIRO, Division of Energy Technology
Department of Administrative Services, Australian Construction Services
Department of Business and Consumer Affairs, N.S.W.
Department of Minerals and Energy, N.S.W.
Department of Mines and Energy, N.T.
Department of Primary Industries and Energy
Electricity Supply Association of Australia
Engineering and Water Supply Department, S.A.
Gas and Fuel Corporation of Victoria
Master Plumbers and Mechanical Services Association of Victoria
Metal Trades Industry Association of Australia
Solar Energy Industries Association of Australia
Trade Practices Commission
University of New South Wales
Victorian Solar Energy Council

Additional interests participating in preparation of Standard:

Swimming Pool and Spa Association of Australia

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PREFACE

This Standard was prepared by Standards Australia's Committee on Solar Water Heaters, in response to a request from the Victorian Solar Energy Council (VSEC). Studies commissioned by VSEC in 1984, including performance testing of swimming pool heaters, indicated that solar heating of swimming pools was very cost effective compared to gas or oil-fuelled heating. One outcome of these studies was the proposal by VSEC that standards should be established for pool heating covering the materials and performance of solar collectors used for pool heating, and the design, construction and installation of these systems.

The 1986 edition of AS 2535, *Solar collectors with liquid as the heat-transfer fluid — Methods of testing thermal performance*, incorporated revisions to make that Standard suitable for testing the performance of collectors of the types used for pool heating. A Standard for the materials used in unglazed collectors for pool heating is in course of preparation.

This Standard deals with design, construction and installation aspects collectively, and is based largely on the work of VSEC, and the assistance received from this source is gratefully acknowledged. Account has also been taken of BS 6785, *British Standard Code of Practice for solar heating systems for swimming pools*, and also the specifications for solar pool heating prepared by the Gas and Fuel Corporation of Victoria.

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