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Australian Standard 1639–1974

DESIGN AND INSTALLATION OF CORRUGATED ASBESTOS CEMENT ROOFING

METRIC UNITS

STANDARDS ASSOCIATION OF AUSTRALIA
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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Associated Chambers of Manufactures of Australia

Building Regulations Committee

CSIRO Division of Building Research

Copper and Brass Information Centre

Defence Standards Laboratories

Department of Housing and Construction

Department of Public Works, Victoria

Experimental Building Station

Federated Master Plumbers of Australia

Institution of Engineers, Australia

Master Builders Federation of Australia

Royal Australian Institute of Architects

Universities

This standard, prepared by the Roofing Committee BD/14, was approved on behalf of the Council of the Standards Association of Australia on 25 January 1974.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the headquarters of the Association, are welcomed.

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AUSTRALIAN STANDARD CODE OF PRACTICE

DESIGN AND INSTALLATION OF CORRUGATED ASBESTOS CEMENT ROOFING

AS 1639 — 1974

First published (as AS CA44) 1969
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Amendment No 1
September 1974

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMENDMENT No 1

to

AS 1639-1974

CODE OF RECOMMENDED PRACTICE FOR THE DESIGN AND INSTALLATION OF ASBESTOS CEMENT ROOFING

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PREFACE

This Australian standard was prepared by the Association's Committee on Roofing Codes as a metric revision of AS CA44—1969, which it supersedes. It forms one of several codes dealing with various types of roofing, including one for self-supporting metal roofing (AS 1562) and one for bituminous fabric roofing.*

This code provides for all those commonly accepted types of corrugated asbestos cement roofs manufactured in Australia which incorporate transverse laps (laps at the ends of sheets). The sheets are described in the related standard specification for asbestos cement corrugated sheets for roofing and cladding (AS 1611).

In this code the committee has departed somewhat from the loading provisions adopted in the code for self-supporting metal roofing. Much thought was given to the section dealing with roof loading, and considerable experiment was carried out on asbestos cement roof systems to confirm the proposals put forward.

The first proviso considered essential by the committee is that the roof shall not blow off in the service conditions for which the structure is required to be designed. This requirement is, in all cases, more than adequately covered when the roof is fastened in accordance with the requirements of this code and the roof material used complies with the requirements of AS 1611.

The second proviso was that a person who steps or falls on to any part of the sheeting shall not, outside the limitations of Rule 2.9.1, fall through the roof. This has been met by the provision of safety mesh under the types of asbestos cement roofs not excluded by Rule 2.9.1.

In view of these provisos, and as the material, the profile, and the strength of material are specified in AS 1611, the loading provisions for concentrated load appearing in the self-supporting metal roofing code have been omitted from this code. There is, nevertheless, machinery provided whereby the use of any new materials or profiles may be tested as prototypes to establish their general conformity with the intentions of this code (see Rule 1.2.3). In this way, designer, builder and user may confidently use the traditional type of corrugated asbestos cement roofing without recourse to the tedium of repetitive type testing of well-established material and procedures, yet be able when occasion demands, such as in the case of departures from commonly accepted designs, to test roofs by a more direct method.

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* Metric unit code in course of preparation as revision of AS CA55.

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