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GUIDE TO THE PROTECTION OF IRON AND STEEL AGAINST EXTERIOR ATMOSPHERIC CORROSION

STANDARDS ASSOCIATION OF AUSTRALIA
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The following interests are represented on Committee MT/14:

Aluminium Development Council

Australasian Corrosion Association

Australasian Institute of Metal Finishing

Australian Gas Association

Australian Institute of Steel Construction Ltd

Australian Zinc Development Association

Bureau of Steel Manufacturers of Australia

Commonwealth Scientific and Industrial Research Organization

Confederation of Australian Industry

Copper Development Association of Australia Limited

Department of Defence

Electricity Supply Association of Australia

National Association of Australian State Road Authorities

Railways of Australia Committee

Society of Automotive Engineers—Australasia

State Electrolysis Committees

Telecom Australia

University of New South Wales

Representatives of the following interest also participated in the drafting of this standard:

Department of Housing and Construction

AUSTRALIAN STANDARD

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PREFACE

This edition of this standard was prepared under the direction of the Association's Committee on Corrosion of Metals by its subcommittee on corrosion protection of steelwork, to supersede AS 2312—1980. The standard provides guidance for architects, engineers, builders, the surface coating industry and users of protective services in general on coating systems for the protection of iron and steel against exterior atmospheric corrosion.

The subject of this standard was previously dealt with in SAA MA1, Manual on Steel Structures, Part 5—Protection of Steel from Corrosion, and the standard represents both a revision and an expansion of SAA MA1.5; whereas, however, SAA MA1.5 contained descriptive information from which a user of the document could arrive at a satisfactory method of protection, this standard is more detailed in that systems have been included with specified lives to first maintenance. Attention is drawn to the fact that the standard is also available in the MA1 format, as a revised edition of SAA MA1.5 so that users of the Manual will continue to have a complete set of the Parts of the Manual.

During drafting of the first (1980) edition of this standard, consideration was given to BS 5493* to which ackowledgement is made. During 1980 a series of seminars was held around Australia to introduce AS 2312, and to discuss aspects which related to the preparation and use of the standard. Comments forthcoming from the seminars were considered by the subcommittee as being desirable for inclusion in AS 2312 since they provided additional information and elaboration on particular subjects, and their inclusion initiated this second edition.

In providing recommendations on appropriate protection systems, the committee was aware of the large number of systems used commercially but to avoid confusion included only a limited range of systems for each type of environment.

The committee acknowledges the developments which are taking place in the protection of iron and steel and will monitor these in order to make such changes to this standard as may become necessary.

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*BS 5493 Code of Practice for Protective Coating of Iron and Steel Structures Against Corrosion.

CONTENTS