Australian Standard™

Self-drilling screws for the building and construction industries

Part 2: Corrosion resistance requirements

Standards Australia

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The following interests are represented on Committee ME-029:

Australian Building Codes Board

Australian Chamber of Commerce and Industry

Australian Industry Group

Bureau of Steel Manufacturers of Australia

Electricity Supply Association of Australia

Federal Chamber of Automotive Industries

Institute of Materials Engineering Australasia Limited

Metal Building Products Manufacturers Association

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PREFACE

This Standard was prepared by the Standards Australia Committee ME-029, Fasteners to supersede (in part) AS 3566—1988, *Screws—Self-drilling—For the building and construction industries.*

The objective of this Standard is to provide manufacturers and users with the requirements for the corrosion resistance of self-drilling screws used in the building and construction industries.

This Standard is Part 2 of a two-part series dealing with self-drilling screws for the building and construction industries. Part 1 specifies general requirements and the mechanical properties for self-drilling screws.

This edition introduces an additional corrosion resistance class intended to meet the requirements for use in coastal areas and specifies a procedure for demonstration of corrosion resistance by exposure at an outdoor test site.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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STANDARDS AUSTRALIA

Australian Standard

Self-drilling screws for the building and construction industries

Part 2: Corrosion resistance requirements

1 SCOPE

This Standard specifies the requirements for corrosion resistance of self-drilling screws used in the building and construction industries.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS		
1397	Steel sheet and strip—Hot-dripped zinc-coated or aluminium/zinc-coated	
1791	Chromate conversion coatings—Zinc and cadmium	
2331	Methods of test for metallic and related coatings	
2331.1.1	Method 1.1:	Local thickness tests—Micrographic examination of cross-sections
2331.1.3	Method 1.3:	Local thickness tests—Magnetic method
2331.1.4	Method 1.4:	Local thickness tests—Magnetic induction and eddy current methods
2331.3.1	Method 3.1:	Corrosion and related property tests—Neutral salt spray (NSS) test
HB 18	Guidelines for third-party certification and accreditation	
HB 18.22	Guide 22:	Information on manufacturers' declaration of conformity with Standards or other technical specifications
AS/NZS		
1580	Paints and related materials—Methods of test	
1580.408.2	Method 408.2:	Adhesion—Knife test
1580.481.1.7	Method 481.1.7:	Coatings—Exposed to weathering—Degree of checking
1580.481.1.8	Method 481.1.8:	Coatings—Exposed to weathering—Degree of cracking
1580.481.1.9	Method 481.1.9:	Coatings—Exposed to weathering—Degree of blistering
1580.481.1.10	Method 481.1.10:	Coatings—Exposed to weathering—Degree of flaking and peeling
1748	Timber—Stress-graded—Product requirements for mechanically stress-graded timber	
2312	Guide to the protection of iron and steel against exterior atmospheric corrosion	

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