

GUIDE TO CONCRETE CONSTRUCTION

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**CEMENT CONCRETE
& AGGREGATES AUSTRALIA**

PREFACE

Concrete remains a fundamental basis for the Australian construction industry. It provides a number of benefits – social, economic and environmental – that means it is a sustainable material.

This edition of Guide to Concrete Construction represents a major review of the volume. The contents were last reviewed in 2002 and much has changed in the composition and specification of concrete. The reader will notice changes in the structure and content of this volume to address these changes and ensure a contemporary description of concrete – its composition and performance.

The presentation of this edition has also changed to reflect modern communication where on-line resources are rapidly outstripping ‘hard-cover’ texts. In doing so, the revision of the content can be more readily achieved, allowing maintenance of the knowledge to reflect future changes that may be seen in codes and Standards – both Australian and international.

An important inclusion is a model for a general specification for concrete construction. This is to address a paucity of information regarding what is available in modern Australian concretes and to provide the basis for a conversation between supplier and clients which will continue to evolve the opportunities offered by concrete as a sustainable material.

This revision has been undertaken with the co-operation of a small but knowledgeable group of concrete technologists – all experts in their field. They have willingly contributed their skills and expertise in various aspects of concrete science to ensure the information presented is of relevance to those in the concrete supply chain. Cement Concrete and Aggregates Australia would like to thank all those listed in the Acknowledgements for this fine effort.

As ever, this volume provides a valuable source of information for those involved in the specification of concrete in Australia. It also gives a broad breadth of knowledge for those new to the subject of concrete – hopefully encouraging further study and research into a fundamental and essential building material.

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