

Australian Standard®

AS 1012.14:2018

Methods of testing concrete

Method 14: Method for securing and testing cores from hardened concrete for compressive strength and mass per unit volume

PREFACE

This Standard was prepared by the Standards Australia Committee BD-042, Methods of Testing Concrete, to supersede AS 1012.14—1991.

The objective of this Standard is to set out a method for the securing, preparing and testing of cylindrical core specimens (cores) from hardened concrete for the determination of compressive strength and mass per unit volume.

This Standard has been revised to match the curing conditions and the tests which have been rationalised in the recent revisions to other methods within the AS 1012 series including renumbering of methods which are referred to in this method.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

METHOD

1 SCOPE

This Standard sets out a method for the securing, preparing and testing of cylindrical core specimens (cores) from hardened concrete for the determination of compressive strength and mass per unit volume.

NOTE: Interpretation of test results in order to estimate the in-service strength of a structure or part thereof and factors influencing core strength are discussed in Appendix A.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1012	Methods of testing concrete
1012.9	Method 9: Compressive strength tests—Concrete, mortar and grout specimens
1012.12.1	Method 12.1: Determination of mass per unit volume of hardened concrete—Rapid measuring method
1012.12.2	Method 12.2: Determination of mass per unit volume of hardened concrete—Water displacement method
1379	Specification and supply of concrete