

Testing concrete —

Part 117: Method for determination of tensile splitting strength

UDC 666.972.017:691.32:620.1

Cooperating organizations

The Cement, Gypsum, Aggregates and Quarry Products Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following:

Association of Consulting Engineers	Department of Transport*
Association of County Councils	Federation of Civil Engineering Contractors*
Association of District Councils	Gypsum Products Development Association
Association of Metropolitan Authorities	Institute of Quarrying
Autoclaved Aerated Concrete Products Association	Institution of Civil Engineers*
British Precast Concrete Federation Ltd.*	Institution of Highway Engineers*
British Quarrying and Slag Federation*	Institution of Municipal Engineers*
British Railways Board	Institution of Public Health Engineers
British Ready Mixed Concrete Association*	Institution of Structural Engineers*
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Cement Admixtures Association	National Federation of Building Trades Employers*
Cement and Concrete Association*	Natural Environment Research Council (Institute of Geological Science)
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Department of the Environment (PSA)*	Stone Federation
Department of the Environment (Transport and Road Research Laboratory)*	

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British Civil Engineering Test Equipment Manufacturers' Association	Greater London Council
Electricity Supply Industry in England and Wales	Institute of Concrete Technology
	Coopted member

This British Standard, having been prepared under the direction of the Cement, Gypsum, Aggregates and Quarry Products Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 January 1983

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The following BSI references relate to the work on this standard:
Committee reference CAB/4
Draft for comment 80/12101 DC

ISBN 0 580 12951 9

Amendments issued since publication

Amd.No.	Date of issue	Comments
6096	July 1989	Indicated by a sideline in the margin

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Foreword

This Part of this British Standard, prepared under the direction of the Cement, Gypsum, Aggregates and Quarry Products Standards Committee, is a revision of clause 7 of BS 1881-4:1970. Together with Parts 115, 116, 118, 119 and 120, this Part of BS 1881 supersedes BS 1881-4:1970 which is withdrawn.

This Part of this standard describes one procedure for the determination of tensile splitting strength, with the option of using one of two sets of apparatus. Use of the procedure with one set of apparatus is derived from ISO 4108 which gives a tensile splitting strength test for cylindrical, cubic and prismatic specimens. Use of the procedure with the other set of apparatus is for cubic and prismatic specimens. Using the procedure with the alternative sets of apparatus cannot be expected to give equivalent results.

A typical estimate of repeatability for the test on 150 mm diameter $\times$ 300 mm long cylindrical specimens only is included. No estimate is given for other specimens or for reproducibility. Reference should be made to BS 5497-1 for further information on the determination of repeatability and reproducibility.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.