BS EN 13863-6:2024

BSI Standards Publication

Concrete pavements

Part 6: Test method for the determination of the tensile strength of concrete on cylindrical discs

Documents
Document Sharing Hub

Full document details: BS EN 13863-6:2024

National foreword

This British Standard is the UK implementation of EN 13863-6:2024.

The UK participation in its preparation was entrusted to Technical Committee B/510/3, Materials for concrete roads.

A list of organizations represented on this committee can be obtained on request to its committee manager.

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2024
Published by BSI Standards Limited 2024

ISBN 978 0 539 15931 8

ICS 93.080.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2024.

Amendments/corrigenda issued since publication

Date	Text affected

Documents
Document Sharing Hub

Full document details: BS EN 13863-6:2024

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13863-6

March 2024

ICS 93.080.20

English Version

Concrete pavements - Part 6: Test method for the determination of the tensile strength of concrete on cylindrical discs

Chaussées en béton - Partie 6 : Méthodes d'essai pour la détermination de la résistance à la traction de béton sur disques cylindriques

Fahrbahnbefestigungen aus Beton - Teil 6: Prüfverfahren zur Bestimmung der Zugfestigkeit von Beton an Zylinderscheiben

This European Standard was approved by CEN on 12 February 2024.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

© 2024 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 13863-6:2024 E

Documents
Document Sharing Hub

Full document details: BS EN 13863-6:2024

Contents

Page

European foreword 3
1 Scope 4
2 Normative references 4
3 Terms and definitions and symbols 4
3.1 Terms and definitions 4
3.2 Symbols 5
4 Principle 5
5 Apparatus 6
5.1 Apparatus for production of the test specimens 6
5.2 Load equipment 6
6 Test specimen 8
6.1 General 8
6.2 Sampling/production, preparation and storage of test specimens 8
6.2.1 Separately manufactured test specimens 8
6.2.2 Test specimens made of cores 8
7 Procedure 9
8 Calculation and presentation of the test result 9
8.1 Test result 9
8.2 Precision 9
9 Report 10
Annex A (informative) Typical fracture patterns 12

Documents
Document Sharing Hub
Full document details: BS EN 13863-6:2024

European foreword

This document (EN 13863-6:2024) has been prepared by Technical Committee CEN/TC 227 "Road materials", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2024, and conflicting national standards shall be withdrawn at the latest by September 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

EN 13863, *Concrete pavements,* is currently composed with the following parts:

— Part 1: Test method for the determination of the thickness of a concrete pavement by survey method

— Part 2: Test method for the determination of the bond between two layers

— Part 3: Test methods for the determination of the thickness of a concrete pavement from cores

— Part 4: Test methods for the determination of wear resistance of concrete pavements to studded tyres

— Part 5: Determination of the bond stress of dowels to be used in concrete pavements

— Part 6: Test method for the determination of the tensile strength of concrete on cylindrical discs

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

AVA Documents
Document Sharing Hub

Full document details: BS EN 13863-6:2024