
Betonska vozišča - 6. del: Preskusna metoda za določanje natezne trdnosti betona na cilindričnih ploščah

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

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

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

Ta slovenski standard je istoveten z: EN 13863-6:2024

[SIST EN 13863-6:2024](#)

ICS:

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93.080.20	Materiali za gradnjo cest	Road construction materials

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

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

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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of an identical text or by endorsement, at the latest by September 2024, and conflicting national standards shall be withdrawn at the latest by September 2024.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.

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EN 13863-6:2024 (E)

1 Scope

This document specifies a method for the determination of the tensile strength on cylindrical discs of concrete using cylindrical discs as test specimens, which can be separately manufactured or cut from cores of the finished concrete pavement.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 12390-1, *Testing hardened concrete — Part 1: Shape, dimensions and other requirements for specimens and moulds*

EN 12390-2, *Testing hardened concrete — Part 2: Making and curing specimens for strength tests*

EN 12390-4, *Testing hardened concrete — Part 4: Compressive strength — Specification for testing machines*

EN 12390-7, *Testing hardened concrete — Part 7: Density of hardened concrete*

3 Terms and definitions and symbols

For the purposes of this document, the following terms, definitions and symbols apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1 Terms and definitions

3.1.1

tensile strength on cylindrical discs

maximum stress determined by a controlled uniaxial, radial load on a test specimen until failure

3.1.2

test specimen

cylindrical disc prepared from a separately manufactured cylinder or core