



SLOVENSKI STANDARD SIST EN ISO 10772:2012

01-oktober-2012

Preskusne metode za ugotavljanje odpornosti geotekstilij proti precejanju pri močnem pretoku vode (ISO 10772:2012)

Test method for the determination of the filtration behaviour of geotextiles under turbulent water flow conditions (ISO 10772:2012)

Prüfverfahren zur Bestimmung der Filterbeständigkeit von Geotextilien in turbulenten Strömungsbedingungen (ISO 10772:2012)

Méthode d'essai relative à la détermination du comportement de la filtration des géotextiles en conditions d'écoulement d'eau turbulentes (ISO 10772:2012)

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Ta slovenski standard je istoveten z: EN ISO 10772:2012

ICS:

59.080.70 Geotekstilije Geotextiles

SIST EN ISO 10772:2012 en,fr

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EUROPEAN STANDARD

EN ISO 10772

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2012

ICS 59.080.70

English Version

Geotextiles - Test method for the determination of the filtration behaviour of geotextiles under turbulent water flow conditions (ISO 10772:2012)

Géotextiles - Méthode d'essai pour la détermination du comportement en filtration des géotextiles en régime d'écoulement turbulent (ISO 10772:2012)

Geotextilien - Prüfverfahren zur Bestimmung der Filterbeständigkeit von Geotextilien in turbulenten Strömungsbedingungen (ISO 10772:2012)

This European Standard was approved by CEN on 14 August 2012.

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.

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Foreword

This document (EN ISO 10772:2012) has been prepared by Technical Committee ISO/TC 221 "Geosynthetics" in collaboration with Technical Committee CEN/TC 189 "Geosynthetics" the secretariat of which is held by NBN.

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 February 2013, and conflicting national standards shall be withdrawn at the latest by February 2013.

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The text of ISO 10772:2012 has been approved by CEN as a EN ISO 10772:2012 without any modification.

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INTERNATIONAL STANDARD

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First edition
2012-08-15

Geotextiles — Test method for the determination of the filtration behaviour of geotextiles under turbulent water flow conditions

*Géotextiles — Méthode d'essai pour la détermination du comportement
en filtration des géotextiles en régime d'écoulement turbulent*

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ISO 10772:2012(E)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 10772 was prepared by Technical Committee ISO/TC 221, *Geosynthetics*.

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Geotextiles — Test method for the determination of the filtration behaviour of geotextiles under turbulent water flow conditions

1 Scope

This International Standard describes a test method for determining the soil passing through a geotextile filter when exposed to turbulent external water flow conditions.

The test provides a value for one specific type of soil as a performance test for the design of erosion protection layers with geotextile filters in hydraulic engineering applications.

2 Normative references

The following referenced documents are indispensable for the application 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.

ISO 9862, *Geosynthetics — Sampling and preparation of test specimens*

ISO 12956, *Geotextiles and geotextile-related products — Determination of the characteristic opening size*

3 Terms and definitions (standards.iteh.ai)

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

3.1 soil passing value

S_{pv}

cumulative average soil passing value for the three specimens after the final stage

3.2 cohesion

c_u

undrained cohesion of the test soil

3.3 plasticity index

I_p

plasticity of test soil

4 Principles

The test simulates the exposure of geotextiles to turbulent conditions such as those that occur during wave action, the passage of a ship, etc. The filtration stability of the geotextile is determined by measuring the amount and rate of soil passing through the geotextile during the test.

5 Test method

The mechanical filtration stability of the test soil and of similar soils is determined by measuring the soil passing through the filter during each stage of the test. The test results will also show whether the rate at which soil passes through the geotextile filter has been stabilized as necessary.