SLOVENSKI STANDARD
SIST EN 965:1999

01-marec-1999

Geotekstilije in geotekstilijam sorodni izdelki - Ugotavljanje ploġ inske mase

Geotextiles and geotextile-related products - Determination of mass per unit area

Geotextilien und geotextilverwandte Produkte - Bestimmung der flächenbezogenen Masse

Géotextiles et produits apparentés - Détermination de la masse surfacique

Ta slovenski standard je istoveten z: **EN 965:1995**

ICS:

59.080.70 Geotekstilije Geotextiles

SIST EN 965:1999 **en**

EUROPEAN STANDARD **EN 965**

NORME EUROPÉENNE

EUROPÄISCHE NORM March 1995

ICS 59.080.70

Descriptors: Textiles, geotextiles, tests, determination, specific area

English version

Geotextiles and geotextile-related products - Determination of mass per unit area

Géotextiles et produits apparentés - Détermination de la masse surfacique

Geotextilien und geotextilverwandte Produkte - Bestimmung des Flächenbezogenen Masse

This European Standard was approved by CEN on 1995-03-07. 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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart,36 B-1050 Brussels

Foreword

This European Standard has been prepared by the Technical Committee CEN/TC 189 "Geotextiles and geotextile-related products" of which the Secretariat is held by IBN.

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of an identical text or by endorsement, at the latest by September 1995, and conflicting national standards shall be withdrawn at the latest by September 1995.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

1.1 This European Standard specifies a method for the determination of mass per unit area of geotextiles and geotextile-related products for identification purposes and for use in technical data sheets.

1.2 The method is applicable to all geotextiles and geotextile-related products.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

ISO 554:1976	Standard atmospheres for conditioning and/or testing - Specifications.
EN 963	Geotextiles and geotextile-related products - Sampling and preparation of test specimens.

3 Principle

The mass per unit area is calculated by weighing small square or circular specimens of known dimensions cut from positions distributed over the full width and length of the sample.

4 Procedure

4.1 Specimens

Cut the specimens in such a way that their average is representative for the material to be tested. Cut and measure the specimens to an accuracy of 0,5%. The size shall be 100 cm², unless the structure of the geotextile or the geotextile-related product is such that a 100 cm² specimen is not representative in which case a larger specimen size shall be used.

Cut not less than ten specimens in accordance with EN 963.

Condition the specimens in accordance with ISO 554 for a period of 24 h unless it can be shown that the results are not affected by omitting this procedure.

4.2 Weighing

Weigh each specimen to an accuracy of 1mg.

5 Expression of results

Calculate the mass per unit area μ_A of each specimen, expressed in gram per square metre, using the equation

$$\mu_A = \frac{m \cdot 10\,000}{A}$$

where:

m is the mass of the specimen, in gram;
A is the area of the specimen, in cm²;

Calculate the average mass per unit area, rounding the result to the nearest gram per square metre, and the coefficient of variation in percent.

6 Test report

The test report shall include the following particulars:

a) a statement that the test was performed in accordance with this European Standard;

b) the number of specimens tested;

c) the conditioning atmosphere used;

d) in case of specimen size larger than 100 cm², give the size used, and a description (words or sketch) of the structure;

e) the average value of mass per unit area, in gram per square metre;

f) the coefficient of variation, in percent;

g) details of any deviation from the specified test procedure;

h) the date of the test.