ICS 59.080.70 SLOVENSKÁ TECHNICKÁ NORMA Apríl 2025

STN	**Geosyntetika Zisťovanie trecích vlastností Časť 2: Skúška na naklonenej rovine (ISO 12957-2: 2024)**	**STN EN ISO 12957-2** 80 6192

Geosynthetics - Determination of friction characteristics - Part 2: Inclined plane test (ISO 12957-2:2024)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/25

Obsahuje: EN ISO 12957-2:2024, ISO 12957-2:2024

Oznámením tejto normy sa ruší
STN EN ISO 12957-2 (80 6192) z augusta 2005

140240

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 12957-2

December 2024

ICS 59.080.70 Supersedes EN ISO 12957-2:2005

English Version

Geosynthetics - Determination of friction characteristics - Part 2: Inclined plane test (ISO 12957-2:2024)

Géosynthétiques - Détermination des caractéristiques de frottement - Partie 2: Essai sur plan incliné (ISO 12957-2:2024)

Geokunststoffe - Bestimmung der Reibungseigenschaften - Teil 2: Schiefe-Ebene-Versuch (ISO 12957-2:2024)

This European Standard was approved by CEN on 1 December 2024.

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

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

Ref. No. EN ISO 12957-2:2024 E

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European foreword

This document (EN ISO 12957-2:2024) 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of an identical text or by endorsement, at the latest by June 2025, and conflicting national standards shall be withdrawn at the latest by June 2025.

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.

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Endorsement notice

The text of ISO 12957-2:2024 has been approved by CEN as EN ISO 12957-2:2024 without any modification.

International Standard

ISO 12957-2

Geosynthetics — Determination of friction characteristics —

Part 2: Inclined plane test

Géosynthétiques — Détermination des caractéristiques de frottement —

Partie 2: Essai sur plan incliné

Second edition
2024-12

Reference number
ISO 12957-2:2024(en)

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Published in Switzerland

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 221 *Geosynthetics*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 189, *Geosynthetics,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 12957-2:2005) which has been technically revised.

The main changes are as follows:

— minor modifications, notably in the terms and definitions;

— improvement of figures.

A list of all parts in the ISO 12957 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

International Standard **ISO 12957-2:2024(en)**

Geosynthetics — Determination of friction characteristics —

Part 2:
Inclined plane test

1 Scope

This document specifies a method to determine the friction characteristics of geosynthetics (geotextiles and geotextile-related products, geosynthetic barriers) in contact with soils or another geosynthetic, at low normal stress, using an inclining plane apparatus.

This test method is primarily intended as a performance test to be used with site specific soils but is also used as an index test with standard sand. It is also possible to measure the displacement of the interface over time (creep phenomenon) without necessarily reaching the slippage failure.

NOTE Test data obtained for geogrids tested with a rigid support are not necessarily realistic as the results depend on the friction support.

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.

ISO 554, *Standard atmospheres for conditioning and/or testing — Specifications*

ISO 6344-2, *Coated abrasives — Determination and designation of grain size distribution — Part 2: Macrogrit sizes P12 to P220*

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

ISO 10318-1, *Geosynthetics — Part 1: Terms and definitions*