

**भारतीय मानक ब्यूरो**  
**BUREAU OF INDIAN STANDARDS**

*भारतीय मानक मसौदा*

**भूकृत्रिम — परीक्षण नमूनों का नमूनाकरण और तैयारी**

*Draft Indian Standard*

**GEOSYNTHETICS — SAMPLING AND PREPARATION OF TEST SPECIMENS**

ICS 59.080.70

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Last date for receipt of comment is  
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NATIONAL FOREWORD

*(Formal clauses will be added later)*

This Indian Standard intended to be adopted is identical with ISO 9862:2023 ‘Geosynthetics Sampling and preparation of test specimens’ issued by the International Organization for Standardization (ISO).

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In the standard intended to be adopted, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 10320, Geosynthetics — Identification on site	IS 17421 : 2020 Geosynthetics – Identification on site	Identical

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (*first revision*)’.

## **Extract of ISO 9862:2023 ‘Geosynthetics — Sampling and preparation of test specimens’**

### **Foreword**

This third edition cancels and replaces the second edition ([ISO 9862:2005](#)), which has been technically revised.

The main changes are as follows:

- Geosynthetic products that do not come in rolls have been incorporated to this document.

A list of all parts in the ISO 9862 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](http://www.iso.org/members.html).

### **Introduction**

Geosynthetics are produced in many different ways, partly using traditional textile procedures, partly using procedures not commonly recognized as textile procedures. Geosynthetics are defined in [ISO 10318-1](#).

Geosynthetics are typically supplied in rolls, however, some geosynthetic products may be supplied in the form of expandable panels, folded sheets or other forms.

Whilst sampling should ensure the best possible statistical significance of the average finding and its coefficient of variation, there are practical limits to the possible distribution of samples and specimens over the entire lot and its single units supplied to a construction site.

## **1 Scope**

This document establishes general principles for the sampling of geosynthetics delivered to construction sites, and for the preparation of test specimens from the samples.

The sampling principles are applicable to geosynthetics supplied in rolls or expandable panels.

NOTE [ISO 186](#) can be used for products supplied in sheet form.

The specimen-preparation principles are applicable to all geosynthetics.

## 2 Normative references

The following referenced documents are referred to 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 10320, Geosynthetics — Identification on site

## 3 Terms and definitions

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

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

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <http://www.electropedia.org/>

### 3.1 sample

portion of material which is taken for testing

### 3.2 specimen

specific portion of the *sample* (3.1) upon which a laboratory test is performed

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