



**SLOVENSKI STANDARD**  
**oSIST prEN 12350-13:2025**  
**01-april-2025**

---

**Preizkušanje svežega betona - 13. del: Preizkus krvavitve - Statika in tlak**

Testing fresh concrete - Part 13: Bleeding test - Static and pressure

Prüfung von Frischbeton - Teil 13: Prüfung des Blutens - Statisch und Druck

Essais pour béton frais - Partie 13 : Essai de ressuage - Statique et sous pression

**Ta slovenski standard je istoveten z: prEN 12350-13**

---

**ICS:**

91.100.30 Beton in betonski izdelki Concrete and concrete products

**oSIST prEN 12350-13:2025**

**en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 12350-13**

February 2025

---

ICS 91.100.30

English Version

## Testing fresh concrete - Part 13: Bleeding test - Static and pressure

Essais pour béton frais - Partie 13 : Essai de ressuage -  
Statique et sous pression

Prüfung von Frischbeton - Teil 13: Prüfung des Blutens  
- Statisch und Druck

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 104.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

**Warning** : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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

---

## prEN 12350-13:2025 (E)

<b>Contents</b>		Page
<b>European foreword</b> .....		3
<b>1</b>	<b>Scope</b> .....	4
<b>2</b>	<b>Normative references</b> .....	4
<b>3</b>	<b>Terms, definitions, symbols and abbreviations</b> .....	4
<b>3.1</b>	<b>Terms and definitions</b> .....	4
<b>3.2</b>	<b>Symbols and abbreviations</b> .....	5
<b>4</b>	<b>Principle</b> .....	5
<b>5</b>	<b>Static bleeding test</b> .....	5
<b>5.1</b>	<b>Apparatus</b> .....	5
<b>5.2</b>	<b>Procedure</b> .....	7
<b>5.3</b>	<b>Expression of results</b> .....	8
<b>5.4</b>	<b>Test report</b> .....	9
<b>5.5</b>	<b>Precision data</b> .....	10
<b>6</b>	<b>Pressure bleeding test</b> .....	10
<b>6.1</b>	<b>Apparatus</b> .....	10
<b>6.2</b>	<b>Procedure</b> .....	11
<b>6.3</b>	<b>Number of tests</b> .....	12
<b>6.4</b>	<b>Expression of results</b> .....	12
<b>6.5</b>	<b>Test report</b> .....	13
<b>6.6</b>	<b>Precision</b> .....	13
<b>Bibliography</b> .....		15

iTech Standards  
 (https://standards.iteh.ai)  
 Document Preview

[oSIST prEN 12350-13:2025](https://standards.iteh.ai/catalog/standards/sist/68c45cd3-cc86-464d-9018-d7c35cb055d7/osist-pren-12350-13-2025)

<https://standards.iteh.ai/catalog/standards/sist/68c45cd3-cc86-464d-9018-d7c35cb055d7/osist-pren-12350-13-2025>

## European foreword

This document (prEN 12350-13:2025) has been prepared by Technical Committee CEN/TC 104 “Concrete and related products”, the secretariat of which is held by SN.

This document is currently submitted to the CEN Enquiry.

It is based on the French standard XP P 18-468 : Concrete — Testing fresh concrete — Bleed

This document is one of a series on testing concrete.

EN 12350, *Testing fresh concrete*, consists of the following parts:

- *Part 1: Sampling and common apparatus*
- *Part 2: Slump test*
- *Part 3: Vebe test*
- *Part 4: Degree of compactability*
- *Part 5: Flow table test*
- *Part 6: Density*
- *Part 7: Air content – Pressure methods*
- *Part 8: Self-compacting concrete – Slump-flow test*
- *Part 9: Self-compacting concrete – V-funnel test*
- *Part 10: Self-compacting concrete – L-box test*
- *Part 11: Self-compacting concrete – Sieve segregation test*
- *Part 12: Self-compacting concrete – J-ring test*
- *Part 13: Bleeding test – Static and pressure.*

iTeh Standards

(<http://standards.iteh.ai>)

Document Preview

oSIST prEN 12350-13:2025

<https://standards.iteh.ai/catalog/standards/sist/12350-13-2025/osist-pren-12350-13-2025>

## prEN 12350-13:2025 (E)

### 1 Scope

This document specifies the procedures for determining the static and pressure bleed of fresh concrete. The tests are suitable for specimens having a declared value of the coarsest fraction of aggregates actually used in the concrete ( $D_{\max}$ ) not greater than 40 mm. It can be carried out in the laboratory or on site.

### 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 12350-1, *Testing fresh concrete — Part 1: Sampling and common apparatus*

EN 12350-5, *Testing fresh concrete — Part 5: Flow table test*

EN 12350-6, *Testing fresh concrete — Part 6: Density*

EN 12350-8, *Testing fresh concrete — Part 8: Self-compacting concrete — Slump-flow test*

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

EN ISO 10414-1, *Petroleum and natural gas industries — Field testing of drilling fluids — Part 1: Water-based fluids (ISO 10414-1)*

### 3 Terms, definitions, symbols and abbreviations

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

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

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

— ISO Online browsing platform: available at <https://standards.iteh.ai/catalog/standards/sist/68c45cd3-cc86-464d-9018-d7c35cb055d7/osist-pren-12350-13-2025>

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

#### 3.1 Terms and definitions

##### 3.1.1

##### **static bleed**

the upwards flow of water of fresh concrete after placing caused by the settlement of the solid materials within the mass

##### 3.1.2

##### **bleeding rate**

accumulated mass of bleed water during a defined period of time divided by the duration of this period

##### 3.1.3

##### **total bleed**

accumulated mass of the bleed water during the duration of the test

##### 3.1.4

##### **pressure bleed**

the release of water from fresh concrete after placing caused by the application of a pressure on the concrete mass placed in a special cell