BS EN 12350-13:2026

BSI Standards Publication

Testing fresh concrete

Part 13: Bleeding test — Static and pressure



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National foreword

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The UK participation in its preparation was entrusted to Technical Committee B/517/1, Concrete production and testing.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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

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European foreword

This document (EN 12350-13:2026) has been prepared by Technical Committee CEN/TC 104 “Concrete and related products”, the secretariat of which is held by SN.

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of an identical text or by endorsement, at the latest by February 2027, and conflicting national standards shall be withdrawn at the latest by February 2027.

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.

It is based on the French standards XP P 18-468: Concrete — Testing fresh concrete — Bleed and XP P 18-475: Concrete — Testing fresh concrete — Filtration.

This standard 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*

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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 used in 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 12350-2, *Testing fresh concrete - Part 2: Slump test*

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)*

EN 837-3, *Pressure gauges - Part 3: Diaphragm and capsule pressure gauges - Dimensions, metrology, requirements and testing*

3 Terms and definitions

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:

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

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

3.1
static bleed
form of segregation in which some of the mixing water in the concrete mix tends to rise to the surface of freshly placed concrete, caused by the settlement of the solid constituents

3.2
bleeding rate
accumulated volume of bleed water during a defined period of time divided by the duration of this period

3.3
total bleed
accumulated volume of the bleed water during the duration of the test

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