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Glass in building - Folio interlayers for the manufacturing of laminated glass

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

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EUROPEAN STANDARD
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EN 17940

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English Version

**Glass in building - Folio interlayers for the manufacturing
of laminated glass**

Verre dans la construction - Films intercalaires pour la
fabrication du verre feuilleté

Glas im Bauwesen - Folien-Zwischenlagen für die
Herstellung von Verbundglas

This European Standard was approved by CEN on 20 January 2025.

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

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EN 17940:2025 (E)

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European foreword

This document (EN 17940:2025) has been prepared by Technical Committee CEN/TC 129 “Glass in building”, 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of an identical text or by endorsement, at the latest by September 2025, and conflicting national standards shall be withdrawn at the latest by September 2025.

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EN 17940:2025 (E)**1 Scope**

This document specifies the composition, tolerances and characteristics, i.e. mechanical, acoustic, optical and thermal properties, of folio interlayers for the manufacturing of laminated glass and laminated safety glass for use in buildings and construction works and it defines their general quality criteria.

This document does not apply to interlayers for laminated glass which are achieved by pouring the interlayer material in liquid state on or between the plies of glass or plastic glazing sheet material generally followed by drying or by chemical or ultraviolet curing.

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 410:2011, *Glass in building — Determination of luminous and solar characteristics of glazing*

EN 16613:2019, *Glass in building — Laminated glass and laminated safety glass — Determination of interlayer viscoelastic properties*

EN ISO 489:2022, *Plastics — Determination of refractive index (ISO 489:2022)*

EN ISO 1183-1:2019, *Plastics — Methods for determining the density of non-cellular plastics — Part 1: Immersion method, liquid pycnometer method and titration method (ISO 1183-1:2019, Corrected version 2019-05)*

EN ISO 1716:2018, *Reaction to fire tests for products — Determination of the gross heat of combustion (calorific value) (ISO 1716:2018)*

EN ISO 11357-4:2021, *Plastics — Differential scanning calorimetry (DSC) — Part 4: Determination of specific heat capacity (ISO 11357-4:2021)*

EN ISO 12543-1:2021, *Glass in building — Laminated glass and laminated safety glass — Part 1: Vocabulary and description of component parts (ISO 12543-1:2021)*

EN ISO 12543-2:2021, *Glass in building — Laminated glass and laminated safety glass — Part 2: Laminated safety glass (ISO 12543-2:2021)*

EN ISO 12543-3:2021, *Glass in building — Laminated glass and laminated safety glass — Part 3: Laminated glass (ISO 12543-3:2021)*

EN ISO 12543-4:2021, *Glass in building — Laminated glass and laminated safety glass — Part 4: Test methods for durability (ISO 12543-4:2021)*

EN ISO 12543-5:2021, *Glass in building — Laminated glass and laminated safety glass — Part 5: Dimensions and edge finishing (ISO 12543-5:2021)*

EN ISO 12543-6:2021, *Glass in building — Laminated glass and laminated safety glass — Part 6: Appearance (ISO 12543-6:2021)*

EN ISO 22007-4:2024, *Plastics — Determination of thermal conductivity and thermal diffusivity — Part 4: Light flash method (ISO 22007-4:2024)*

ISO 527-3:2018, *Plastics — Determination of tensile properties — Part 3: Test conditions for films and sheets*

ISO 11359-2:2021, *Plastics — Thermomechanical analysis (TMA) — Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature*

ASTM D1003:2021, *Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics*

ASTM E313:2020, *Standard Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates*

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