



BSI Standards Publication

Thermal performance of windows, doors and shutters — Calculation of thermal transmittance

Part 1: General

National foreword

This British Standard is the UK implementation of EN ISO 10077-1:2017. It is identical to ISO 10077-1:2017, incorporating corrigendum February 2020.

The UK participation in its preparation was entrusted to Technical Committee B/540, Energy performance of materials components and buildings.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Thermal performance of windows, doors and shutters - Calculation of thermal transmittance - Part 1: General (ISO 10077-1:2017, Corrected version 2020-02)

Performance thermique des fenêtres, portes et
fermetures - Calcul du coefficient de transmission
thermique - Partie 1: Généralités (ISO 10077-1:2017,
Version corrigée 2020-02)

Wärmetechnisches Verhalten von Fenstern, Türen und
Abschlüssen - Berechnung des
Wärmedurchgangskoeffizienten - Teil 1: Allgemeines
(ISO 10077-1:2017, korrigierte Fassung 2020-02)

This European Standard was approved by CEN on 27 February 2017.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 18 March 2020.

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European foreword

This document (EN ISO 10077-1:2017) has been prepared by Technical Committee CEN/TC 89 "Thermal performance of buildings and building components", the secretariat of which is held by SIS, in collaboration with Technical Committee ISO/TC 163 "Thermal performance and energy use in the built environment".

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of an identical text or by endorsement, at the latest by January 2018 and conflicting national standards shall be withdrawn at the latest by January 2018.

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This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This document is part of the set of standards on the energy performance of buildings (the set of EPB standards) and has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association (Mandate M/480, see reference [EF1] below), and supports essential requirements of EU Directive 2010/31/EC on the energy performance of buildings (EPBD, [EF2]).

In case this standard is used in the context of national or regional legal requirements, mandatory choices may be given at national or regional level for such specific applications, in particular for the application within the context of EU Directives transposed into national legal requirements.

Further target groups are users of the voluntary common European Union certification scheme for the energy performance of non-residential buildings (EPBD art.11.9) and any other regional (e.g. Pan European) parties wanting to motivate their assumptions by classifying the building energy performance for a dedicated building stock.

This document supersedes EN ISO 10077-1:2006.

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References:

[EF1] Mandate M480, Mandate to CEN, CENELEC and ETSI for the elaboration and adoption of standards for a methodology calculating the integrated energy performance of buildings and promoting the energy efficiency of buildings, in accordance with the terms set in the recast of the Directive on the energy performance of buildings (2010/31/EU) of 14th December 2010

[EF2] EPBD, Recast of the Directive on the energy performance of buildings (2010/31/EU) of 14th December 2010.

Endorsement notice

The text of ISO 10077-1:2017, Corrected version 2020-02 has been approved by CEN as EN ISO 10077-1:2017 without any modification.