

Glass in building — Determination of thermal transmittance (U value) — Heat flow meter method

The European Standard EN 675:1997 has the status of a
British Standard

ICS 81.040.20

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

National foreword

This British Standard is the English language version of EN 675:1997.

The UK participation in its preparation was entrusted by Technical Committee B/520, Glass and glazing in building, to Subcommittee B/520/4, Properties and glazing methods, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 8, an inside back cover and a back cover.

Amendments issued since publication

Amd. No.	Date	Text affected

This British Standard, having been prepared under the direction of the Sector Board for Building and Civil Engineering, was published under the authority of the Standards Board and comes into effect on 15 June 1998

© BSI 1998

ISBN 0 580 29370 X

ICS 81.040.20

Descriptors: Glazing, window glass, thermal insulation, rules of calculation, heat transfer coefficient, measurements, transparency, infrared radiation

English version

Glass in building — Determination of thermal transmittance (U value) — Heat flow meter method

Verre dans la construction — Détermination du
coefficient de transmission thermique, U —
Méthode du fluxmètre

Glas im Bauwesen — Bestimmung des
Wärmedurchgangskoeffizienten (U -Wert) —
Wärmestrommesser-Verfahren

This European Standard was approved by CEN on 8 October 1997. 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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

© 1997 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 129, Glass in building, the secretariat of which is held by IBN.

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 May 1998, and conflicting national standards shall be withdrawn at the latest by May 1998.

CEN/TC 29/WG9, Light and energy transmission, thermal insulation, prepared a working draft based on the document ISO/DIS 10293 *Glass in building — Determination of steady-state U values (thermal transmittance) of multiple glazing — Heat flow meter method*, which was prepared by ISO/TC 160, Glass in building.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Contents

	Page
Foreword	2
1 Scope	3
2 Normative references	3
3 Definitions	3
4 Basic formula	3
5 Brief outline of the measuring procedure	4
6 Test apparatus	4
7 Calibration of the test apparatus	6
8 Dimensions of the specimens	6
9 Preparation of the specimens	6
10 Performance of the measurements	6
11 Evaluation of the results	6
12 Expression of results	7
13 Test report	7
Annex A (informative) Bibliography	8