

First edition
2002-06-15

Glass in building — Determination of energy balance value — Calculation method

*Verre dans la construction — Détermination de la valeur du bilan
énergétique — Méthode de calcul*



Reference number
ISO 14438:2002(E)

© ISO 2002

This is a preview of "ISO 14438:2002". [Click here to purchase the full version from the ANSI store.](#)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2002

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.ch
Web www.iso.ch

Printed in Switzerland

This is a preview of "ISO 14438:2002". [Click here to purchase the full version from the ANSI store.](#)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14438 was prepared by the European Committee for Standardization (CEN) in collaboration with Technical Committee ISO/TC 160, *Glass in building*, Subcommittee SC 2, *Use considerations*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Throughout the text of this document, read "...this European Standard..." to mean "...this International Standard...".

Annexes A and B of this International Standard are for information only.

This is a preview of "ISO 14438:2002". [Click here to purchase the full version from the ANSI store.](#)

Contents

	page
Foreword.....	v
1 Scope	1
2 Normative references	1
3 Symbols	1
4 Basic formula.....	2
5 Basic material properties.....	2
6 Solar radiation incident, H_p	3
7 Degree day data, D_p	3
8 Period of application, p	3
9 Principal values and presentation.....	3
10 Alternative simplification of principal values and presentation	4
Annex A (informative) Examples of climatic data p , D_p and H_p	5
Annex B (informative) Examples of calculation of the energy balance value	6
Bibliography	8

This is a preview of "ISO 14438:2002". [Click here to purchase the full version from the ANSI store.](#)

Foreword

This document (EN ISO 14438:2002) has been prepared by Technical Committee CEN/TC 129 "Glass in building", the secretariat of which is held by IBN, in collaboration with Technical Committee ISO/TC 160 "Glass in building".

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 December 2002, and conflicting national standards shall be withdrawn at the latest by December 2002.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

A first Formal Vote took place within CEN as prEN 14026 between 2000-10-19 and 2000-12-19.

Annexes A and B are informative.

This standard includes a Bibliography.