
**Thermal bridges in building
construction — Linear thermal
transmittance — Simplified methods and
default values**

*Ponts thermiques dans les bâtiments — Coefficient linéique de
transmission thermique — Méthodes simplifiées et valeurs par défaut*



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.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2007

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 0111
Fax + 41 22 749 0947
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms, definitions, symbols and units	1
3.1 Terms and definitions	1
3.2 Symbols and units	2
3.3 Subscripts	2
4 Influence of thermal bridges on overall heat transfer.....	3
4.1 Transmission heat transfer coefficient	3
4.2 Linear thermal transmittance	3
4.3 Internal and external dimensions.....	4
5 Determination of linear thermal transmittance	4
5.1 Available methods and expected accuracy	4
5.2 Numerical calculations.....	4
5.3 Thermal bridge catalogues	4
5.4 Manual calculation methods.....	5
5.5 Default values of linear thermal transmittance.....	5
Annex A (informative) Default values of linear thermal transmittance	6
Annex B (informative) Example of the use of default values of linear thermal transmittance in calculating the heat transfer coefficient.....	19
Bibliography	23