# DIN EN ISO 14683:2008-04 (E)

## Thermal bridges in building construction - Linear thermal transmittance - Simplified methods and default values (ISO 14683:2007)

## Contents

Page


Foreword ..... 3

Introduction ..... 4

1 Scope ..... 5

2 Normative references ..... 5

3 Terms, definitions, symbols and units ..... 5
3.1 Terms and definitions ..... 5
3.2 Symbols and units ..... 6
3.3 Subscripts ..... 6

4 Influence of thermal bridges an overall heat transfer ..... 7
4.1 Transmission heat transfer coefficient ..... 7
4.2 Linear thermal transmittance ..... 7
4.3 Internal and external dimensions ..... 8

5 Determination of linear thermal transmittance ..... 8
5.1 Available methods and expected accuracy ..... 8
5.2 Numerical calculations ..... 8
5.3 Thermal bridge catalogues ..... 8
5.4 Manual calculation methods ..... 9
5.5 Default values of linear thermal transmittance ..... 9

Annex A (informative) Default values of linear thermal transmittance ..... 10

Annex B (informative) Example of the use of default values of linear thermal transmittance in calculating the heat transfer coefficient ..... 23

Bibliography ..... 27