ISO 12567-1:2010-07 (E)

Thermal performance of windows and doors - Determination of thermal transmittance by the hot-box method - Part 1: Complete windows and doors

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms, definitions and symbols 2
3.1 Terms and definitions 2
3.2 Symbols 2

4 Principle 4

5 Requirements for test specimens and apparatus 10
5.1 General 10
5.2 Surround panels 10
5.3 Test specimens 10
5.4 Calibration panels 12
5.5 Temperature measurements and baffle positions 12
5.6 Air flow measurement 12

6 Test procedure 13
6.1 General 13
6.2 Calibration measurements 14
6.3 Measurement procedure for test specimens 17
6.4 Expression of results for standardized test applications 17

7 Test report 18

Annex A (normative) Environmental temperatures 19

Annex B (normative) Linear thermal transmittance of the edge zone 23

Annex C (informative) Design of calibration transfer standard 26

Annex D (informative) Example of calibration test and measurement of window specimen 30

Annex E (informative) Analytical calibration procedure using heat balance equations 39

Annex F (informative) Uncertainty analysis for hot boxes 41

Bibliography 52