

# DIN EN ISO 12567-1:2010-12 (E)

Thermal performance of windows and doors - Determination of thermal transmittance by the hot-box method - Part 1: Complete windows and doors (ISO 12567-1:2010)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
<b>1</b>	<b>Scope .....</b>	<b>5</b>
<b>2</b>	<b>Normative references .....</b>	<b>5</b>
<b>3</b>	<b>Terms, definitions and symbols .....</b>	<b>6</b>
<b>3.1</b>	<b>Terms and definitions .....</b>	<b>6</b>
<b>3.2</b>	<b>Symbols .....</b>	<b>6</b>
<b>4</b>	<b>Principle .....</b>	<b>8</b>
<b>5</b>	<b>Requirements for test specimens and apparatus .....</b>	<b>14</b>
<b>5.1</b>	<b>General .....</b>	<b>14</b>
<b>5.2</b>	<b>Surround panels .....</b>	<b>14</b>
<b>5.3</b>	<b>Test specimens .....</b>	<b>14</b>
<b>5.4</b>	<b>Calibration panels .....</b>	<b>16</b>
<b>5.5</b>	<b>Temperature measurements and baffle positions .....</b>	<b>16</b>
<b>5.6</b>	<b>Air flow measurement .....</b>	<b>16</b>
<b>6</b>	<b>Test procedure .....</b>	<b>17</b>
<b>6.1</b>	<b>General .....</b>	<b>17</b>
<b>6.2</b>	<b>Calibration measurements .....</b>	<b>18</b>
<b>6.3</b>	<b>Measurement procedure for test specimens .....</b>	<b>21</b>
<b>6.4</b>	<b>Expression of results for standardized test applications .....</b>	<b>21</b>
<b>7</b>	<b>Test report .....</b>	<b>22</b>
<b>Annex A (normative) Environmental temperatures .....</b>		<b>23</b>
<b>Annex B (normative) Linear thermal transmittance of the edge zone .....</b>		<b>27</b>
<b>Annex C (informative) Design of calibration transfer standard .....</b>		<b>30</b>
<b>Annex D (informative) Example of calibration test and measurement of window specimen .....</b>		<b>34</b>
<b>Annex E (informative) Analytical calibration procedure using heat balance equations .....</b>		<b>43</b>
<b>Annex F (informative) Uncertainty analysis for hot boxes .....</b>		<b>45</b>
<b>Bibliography .....</b>		<b>56</b>