ISO/TC-_163/SC-_2/WG 1! Secretariat:-<mark>SIS_SI</mark> Date: 2024-0607-2!

Thermal performance of windows, doors and shutters — Calculation of thermal transmittance —

Part 2: iTeh Standards Numerical method for frames Document Preview

ISO 10077-2:2017/FDAmd 1

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Performance thermique des fenêtres, portes et fermetures — Calcul du coefficient de transmission thermique – Partie 2: Méthode numérique pour les encadrements <u>AMENDEMENT 1</u>

Partie 2: Méthode numérique pour les encadrements

<u>AMENDEMENT 1</u>

<u>FDIS stage</u>

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This document was prepared by <u>Technical Committee ISO/TC 163</u>, <u>Thermal performance and energy use in the</u> <u>built environment</u>, <u>Subcommittee SC 2</u>, <u>Calculation methods</u>, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 89, <u>Thermal performance of buildings and building</u> <u>components</u>, in <u>collaboration with ISO Technical Committee ISO/TC 163</u>, <u>Thermal performance and energy use</u> <u>in the built environment</u>, <u>Subcommittee SC 2</u>, <u>Calculation methods</u>, in <u>accordance with the Agreement on</u>

technical cooperation between ISO and CEN (Vienna Agreement). 2501-826a-4050-8938-6d01346558d1/iso-10077-2-2017-fdamd-1

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Field Code Changed

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Thermal performance of windows, doors and shutters — Calculation of thermal transmittance —

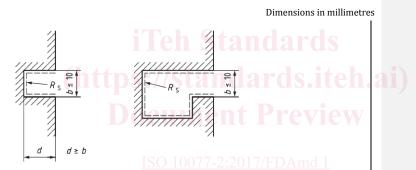
Part 2:			
Numerical	method	for	frames

Amendment

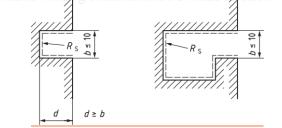
AMENDMENT 1

6.4.2.4.1

Replace Figure 10 with the following figure and key:



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Key R_s surface resistance

Figure 10 — Examples for slightly ventilated cavities and grooves with small cross section

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Deleted Cells Deleted Cells

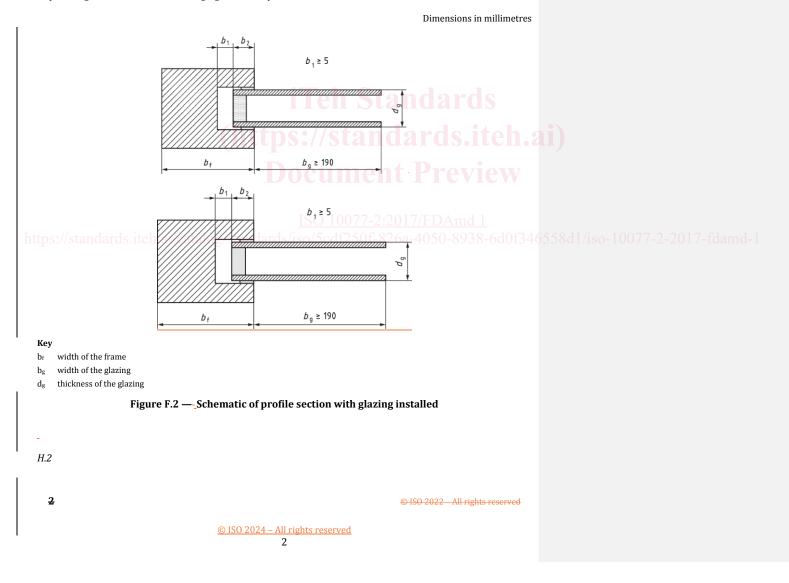
B.3

Replace the NOTE with the following:

NOTE Currently in this document, there are no choices between methods and the required input data foreseen that are to be kept open for completion as explained in B.1. To satisfy the need for congruence with all other EPB standards and to make explicitly clear that in this document there are no choices kept open, this annex and Annex A are retained.

F.2

Replace Figure F.2 with the following figure and key:



Replace Table H.1 with the following table:

Table H.1 — Boundaries

Кеу	Surface resistance, <i>R</i> _s m ² ·K/W	Temperature, θ °C
A adiabatic	infinity	—
B external	see Annex E	0
C internal	see Annex E	20

Add the following key to Figure-_H.1:

Key

- А adiabatic boundary
- В external surface resistance
- С increased surface resistance
- insulation panel а
- EPDM d
- е polyamide 6,6 with 25-_% glass fibre
- h
- a

aluminium^a All surfaces have emissivity 0.9 except for Figure H.2. TPS://standards.itehai) All surfaces have emissivity 0,9 except for Figure H.2. Ocument Preview

ht Add the following key to Figure-H.2: log/standards/iso/5cdf250f-826a-4050-8938-6d0f346558d1/iso-10077-2-2017-fdamd-1

Key

- А adiabatic boundary
- в external surface resistance
- С increased surface resistance
- D emissivity 0,1
- insulation panel а
- d EPDM
- polyamide 6,6 with 25-_% glass fibre е
- h aluminium^a
- All surfaces have emissivity 0,9 except for Figure H.2.

All surfaces have emissivity 0,9 except for Figure H.2.

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Add the following key to Figure-_H.3:

Key

- В external surface resistance
- а insulation panel
- EPDM d
- polyamide 6,6 with 25-_% glass fibre е
- aluminiuma h
- All surfaces have emissivity 0,9 except for Figure H.2.

All surfaces have emissivity 0,9 except for Figure H.2.

Add the following key to Figure-_H.4:

Key

- А adiabatic boundary
- в external surface resistance
- increased surface resistance С
- insulation panel
- c PVC
- EPDM d
- steel g

Add the following key to Figure-_H.5:

Key

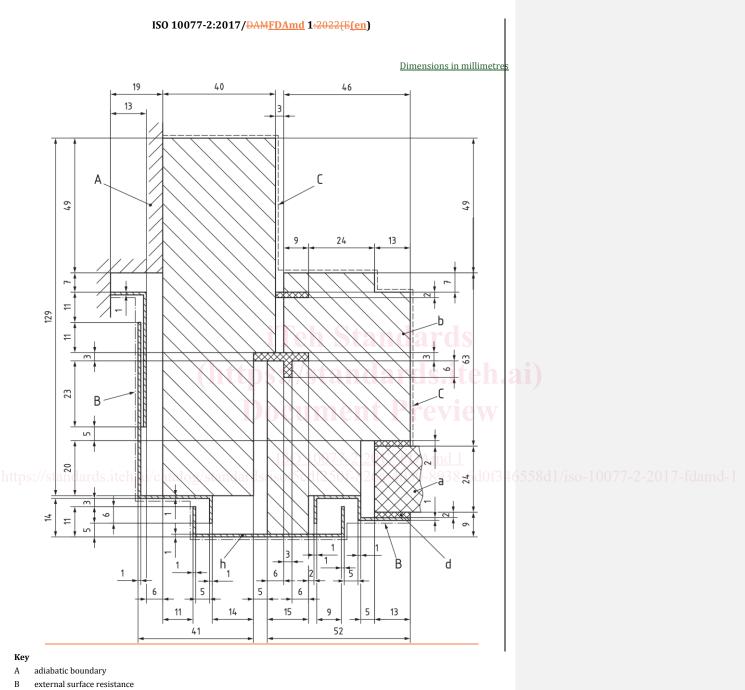
Ans adiabatic boundary iteh.ai/catalog/standards/iso/5cdf250f-826a-4050-8938-6d0f346558d1/iso-10077-2-2017-fdamd-1 B

- external surface resistance
- increased surface resistance <u>C</u>
- insulation panel a
- b Soft wood
- EPDM d

Replace Figure H.6 with the following figure and key:

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C increased surface resistance

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a insulation panel

- b soft wood
- d EPDM

6

Replace Figure H.6 with the following figure and key:

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