

Expert Statement

455 31092/2e dated 17. December 2008

referring to Evidence of Performance

403 31092/1 dated 4 July 2006

thermal transmittance U_m of roof windows



Translation of expert statement 403 31092/2 dated 10 July 2006

Auftraggeber	VELUX A/S Ådalsvej 99 2970 Hørsholm Denmark
Produkt	Roof window
Bezeichnung	VELUX GPU 59, GHU 59, GTU 59
Außenmaß (B x H)	see „Validity“
(Rahmen) Material	Polyurethane-foam (high density) with core made of wood, Cover plate in aluminium / coated
Öffnungsart	Top-hung casement Insulating glass unit VELUX 59 Construction: <u>SSG4/16/4</u> mm Gas filling: 95 % Argon Coating: IR-Coating (V6) on Pos. 3 ($\epsilon_n=0.03$)
Füllung	Edge seals: Stainless steel
Einbau	Installation depth in test wall: 49 mm with roof flashing in aluminium / coated
Besonderheiten	2 ventilation openings in casement member above, outer coverage of the slit: cover plate in aluminium / coated with filters and inlay made of thermal insulation (polystyrene), inner coverage of the slit: cover in polyurethane-foam (high density)

Basis

EN ISO 12567-2 : 2005
Thermal performance of windows and doors - Determination of thermal transmittance by hot box method - Part 2: Roof windows and other projecting windows
Test report 403 31092/1 dated 4 July 2006

Instructions for use

The present expert statement in conjunction with the above basis serves to demonstrate the „thermal transmittance U_m of roof windows.“

Validity

The testing and/or the evidence of performance „thermal transmittance U_m of windows“ does not allow any statement to be made on any further characteristics relevant to performance and quality of the present construction.

The thermal transmittance U_m has been determined for the reference size 1,140 mm x 1,400 mm in accordance with the specifications of the standard EN 14351-1

Thermal transmittance



$$U_m = 1.4 \text{ W}/(\text{m}^2 \cdot \text{K})^*$$

*) According to EN ISO 12567-2 : 2005 based on test report 403 31092/1 dated 4 July 2006 and the in existing statements described deviations to the examined product variants.

Notes on publication

The ift Guidance Sheet "Conditions and Guidance for the Use of ift Test Documents" applies.

The cover sheet can be used as abstract

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