

Expertise Statement

455 31092/1e dated 18. November 2008

referring to Evidence of Performance

403 31092/2 dated 4 July 2006

thermal transmittance U_m of roof windows



Translation of expertise statement 403 31092/1 dated 10 July 2006

Client **VELUX A/S**

Ådalsvej 99

2970 Hørsholm

Denmark

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 31092/2 dated 4 July 2006

Product	Roof window
Designation	VELUX GGL 59, GPL 59, GHL 59, GTL 59
Overall dimensions (W x H)	see „Validity“
(Frame) Material	Wood (pine), Cover plate in aluminum / coated
Type of opening	Top-hung casement-horizontal pivot window Insulating glass unit VELUX 59 Configuration: <u>SSG4/16/4</u> mm Gas filling: 95 % Argon Coating: IR-coating (V6) on Pos. 3 ($\epsilon_n=0.03$)
Infill panel	Edge seals: Stainless steel
Installation	Installation depth in test wall: 49 mm with roof flashing in aluminium / coated
Special features	1 ventilation opening in casement member above, coverage of the slit exterior: cover plate in aluminum / coated with filters and inlay made of thermal insulation (polystyrene), coverage of the slit interior: cover in wood (pine)

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 1140 mm x 1400 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 31092/2 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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The report comprises a total of 9 pages

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ift Rosenheim
18. November 2008

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Notifizierung in Europa: Nr. 0757