

Classification Report

Energy Economy and Heat Retention

Test report 432 28260e

This test report is a translation of test report no. 432 28260 dated 1. September 2004



Customer **ELVIAL S.A.**
Aluminium Extrusion
26th km national road

61100 Thessaloniki-Kilkis
Greece

| | |
|--------------------------------------|---|
| Product | Fixed systems: frame / transom sections Moving systems: sash-frame-transom-combination |
| System designation | Elvial 5600 |
| Cross-sectional dimensions | depth frame / transom sections 75 (65) mm depth sash 75 mm |
| Projected Width | width is variable |
| Material surface | Aluminium-profile with thermal break, powder coated, anodised |
| Type and material of insulation zone | continuous thermal break made from PA 66 25 % GF Polyurethane foam infill material thermal conductivity design value $\lambda = 0,035 \text{ W/(m K)}$ |
| Special Features | -/- |

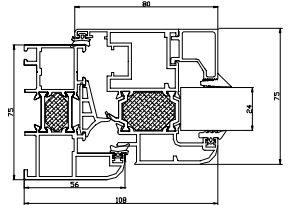
Basis

ift Guideline WA-01/1 (July 2002) „Guideline for the determination of U_f -values for metal profile sections of window systems with thermal break“

EN ISO 10077-2 : 2003-10
Calculation of thermal transmittance U_f – Part 2: Numerical method for frames
Corresponds to the national version of DIN EN ISO

Representation

see Annex 1



Instructions for use

This test report may be used to classify the thermal transmittance U_f for the tested profile system.

Thermal transmittance



$$U_f = 2,1 - 3,0 \text{ W/(m}^2 \cdot \text{K)} *$$

- * The values are based on the range of profile combinations shown in Tables 4 and 5. For further profile combinations of the system the determination of the U_f -values can be based on the trend line given in Table 6.

Validity

The data and results given relate solely to the described, tested object.

Testing the thermal transmittance does not allow any statement to be made on further characteristics of the present structure which could define performance and quality..

Notes on publication

The ift notice „Notes on the use of ift test reports“ applies.

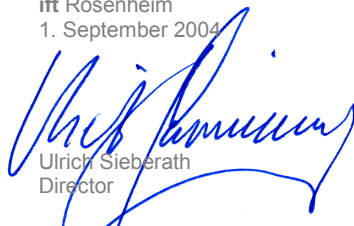
The cover sheet can be used as a summary.

Contents

The report contains 12 pages

- 1 Object
- 2 Procedure
- 3 Detailed results
Annex 1 (4 pages)

ift Rosenheim
1. September 2004


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