

# Evidence of Performance

## Total energy transmittance, light transmittance

### Test Report

No. 22-001852-PR01  
(PB-H01-07-en-02)



Client	Faltenbacher Jalousienbau GmbH & Co. KG Im Gewerbepark 15 92681 Erbandorf Germany
Product/Design	Insulating glass units in combination with a sun protection device
Designation	ISOLETTE® blind insulating glass double 16.008 ISOLETTE® blind insulating glass double 16.018 ISOLETTE® blind insulating glass triple 16.008 ISOLETTE® blind insulating glass triple 16.018
Pane configuration	Configuration 1: 6 mm float / cavity 32 mm with blind / 6 mm Planitherm ONE Configuration 2: 6 mm float / cavity 32 mm with blind / 6 mm Planitherm XN / cavity 12 mm / 6 mm Planitherm XN
Gas filling	90% Argon
Coating	Configuration 1: Planitherm ONE at Pos. 3 ( $\epsilon_n = 0.02$ ) Configuration 2: Planitherm XN at Pos. 3 and 5 ( $\epsilon_n = 0.04$ )
Shading device	Slat / colour ISOLETTE® blind 16.018 silver ISOLETTE® blind 16.008 white
	Slat width 16 mm
	Slat distance 13.5 mm

#### Basis

EN 410 : 2011-02  
Glass in building -  
Determination of luminous and solar characteristics of glazing

EN ISO 52022-3: 2017-07  
Energy performance of buildings - Thermal, solar and daylight properties of building components and elements - Part 3: Detailed calculation method of the solar and daylight characteristics for solar protection devices combined with glazing

Replaces Test Report 22-001852-PR01 (PB-H01-07-en-01) dated 27.04.2023

#### Instructions for use

This test report serves to classify the total solar energy transmittance  $g$  as well as the light transmittance  $\tau_v$ .

#### Validity

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

This test does not allow any statement to be made on further characteristics of the present glazing regarding performance and quality, in particular the effects of weathering and ageing.

#### Notes on publication

The ift Guidance Sheet "Conditions and Guidance for the Use of ift test reports" applies.

The cover sheet including the type list can be used as an abstract.

#### Contents

The test report contains a total of 9 pages.

#### Type list

- 1 Object
- 2 Procedure
- 3 Detailed results

Total solar energy transmittance  $g$

Light transmittance  $\tau_v$



$$g_{tot} = 0.07 - 0.30^*$$

$$\tau_v = 0.01 - 0.28^*$$

\* exact value depends on radiation angle, position of slats and pane configuration (see type list)

ift Rosenheim

07.08.2023

Translation dated 17.08.2023

signed

Michael Freinberger, Dipl.-Ing. (FH)  
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signed

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This document is valid without a signature. The original document no. 22-001852-PR01 (PB-H01-07-de-02) dated 07.08.2023 remains legally binding.

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Client Faltenbacher Jalousienbau  
 GmbH & Co. KG, 92681 Erbandorf (Germany)



### Type list

	Pane configuration	Blinds color	Position of slats	Sun angle	$g_{tot}$	$\tau_v$
1	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm ONE	16.008 white	8.5°	0°	0.10	0.03
2	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm ONE	16.008 white	90°	42°(cut-off)	0.30	0.27
3	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm ONE	16.008 white	45°	14°(cut-off)	0.21	0.18
4	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm ONE	16.018 silver	8.5°	0°	0.12	0.01
5	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm ONE	16.018 silver	90°	42°(cut-off)	0.27	0.16
6	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm ONE	16.018 silver	45°	14°(cut-off)	0.20	0.09
7	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm XN / 12 mm Ar 90% / 6 mm Planitherm XN	16.008 white	8.5°	0°	0.07	0.03
8	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm XN / 12 mm Ar 90% / 6 mm Planitherm XN	16.008 white	90°	42°(cut-off)	0.26	0.28
9	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm XN / 12 mm Ar 90% / 6 mm Planitherm XN	16.008 white	45°	14°(cut-off)	0.19	0.19
10	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm XN / 12 mm Ar 90% / 6 mm Planitherm XN	16.018 silver	8.5°	0°	0.08	0.01
11	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm XN / 12 mm Ar 90% / 6 mm Planitherm XN	16.018 silver	90°	42°(cut-off)	0.21	0.16
12	6 mm float / 32 mm Ar 90% with blind / 6 mm Planitherm XN / 12 mm Ar 90% / 6 mm Planitherm XN	16.018 silver	45°	14°(cut-off)	0.15	0.10

Key:

$g_{tot}$  Total solar energy transmittance

$\tau_v$  Light transmittance