



**Labor für Stahl- und Leichtmetallbau GmbH**  
*(Laboratory for Steel and Light Metal Construction Ltd.)*

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Bay 27

## **General appraisal certificate**

**Test certificate number:** P-2025-3024

**Object:** Linearly mounted single glazing

**Intended use:** Fall protection according to DIN 18008-4  
Administrative Regulation Technical Building Regulations -  
VwV TB  
Type according to Lfd. No. C 4.12

**Fall protection category:** A

**Applicant:** Sunexx GmbH  
Zollernring 32  
72186 Empfingen

**Date of issue:** 03/06/2025

**Period of validity until:** 02.06.2030

Based on this general building inspectorate test certificate, the above-mentioned  
Object applicable according to state building regulations.

The general building authority test certificate comprises 5 pages.

For the management and clerks

A handwritten signature in blue ink, appearing to be 'A. Lorenz'.

Dipl. -Ing. (FH) A. Lorenz

Digitally signed by Alexander Lorenz on June 03, 2025

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## I. General provisions

1. The general building authority test certificate does not replace the authorisations, approvals and certificates required by law for the implementation of construction projects.
2. The general building authority test certificate is issued without prejudice to the rights of third parties, in particular private property rights.
3. Notwithstanding further regulations in the "Special Provisions", manufacturers of the type of construction shall provide the user of the type of construction with copies of the general building authority test certificate and point out that the general building authority test certificate must be available at the point of use. Copies of the general building authority test certificate must be made available to the authorities involved on request.
4. The general building authority test certificate may only be reproduced in full. Publication of extracts requires the approval of the Laboratory for Steel and Light Metal Construction. Texts and drawings in advertising material must not contradict the general building authority test certificate. Translations of the general building authority test certificate must contain the note "Translation of the original German version not checked by Labor für Stahl- und Leichtmetallbau GmbH".

## II Special provisions

### 1 Subject matter and scope of application

#### 1.1 Object

The subject of the general building inspectorate test certificate is the linear insulating glazing designed by Sunexx GmbH in accordance with the administrative regulation Technical Building Regulations - VwV TB.

#### 1.2 Scope of application

The above-mentioned object is used in accordance with DIN 18008-4, additional requirements for fall-protection glazing according to **category A**.

#### 1.3 Basis of the test certificate

The test certificate is based on the assessment B-2025-3010.

### 2 Requirements for the design

#### 2.1 Description of the construction

##### 2.1.1 Support

The glazing is linear on all sides in accordance with the specifications of DIN 18008-2. More detailed information on glass storage can be found in assessment B-2025-3010.

### 2.1.2 Glazing

The glass structures listed below may be used.

Float glass (mirror glass) 4.00 mm
Polyvinyl butyral film (PVB) 0.76 mm
Float glass (mirror glass) 4.00 mm

Only glass products in accordance with DIN 18008-4 may be used. The above-mentioned glass and film thicknesses may be exceeded. Instead of float glass, TVG or ESG of at least the same thickness may also be used. These glasses can also be printed with ceramics. All interlayers for which a corresponding general type approval in accordance with DIN 18008 is available may be used as interlayers in laminated safety glass.

### 2.2 Test methods to be used

The fall-protection function of the glazing was tested in accordance with Annex A of DIN 180084. The load-bearing capacity under impact load was verified using pendulum impact tests on the relevant dimensions of the glazing described.

### 2.3 Utilisation, maintenance and repair

The structure must be installed in accordance with section 2.1.1 and suitable measures must be taken to ensure that it permanently fulfils the requirements for fall protection. When verifying the secure anchoring of the glazing constructions to the building, the relevant technical building regulations must be observed.

## 3 Scope of application and provisions for dimensioning

### 3.1 Scope of application

The general building authority test certificate is valid for the type of construction described under point 2. The glazing has a fall protection function in accordance with category A. The limit dimensions are summarised in the following table.

Width	[mm]	Height	[mm]
Min.	Max.	Min.	Max.
1000	1500	2300	3000

### 3.2 Dimensioning

For the application, a mathematical verification of the load-bearing capacity under static load for the glazing and supporting structure must be provided in accordance with DIN 18008-4 Section 6.

## 4 Proof of compliance

The type of construction listed in this general building inspectorate test certificate requires proof of conformity by the user (contractor) in accordance with Section 16a of the State Building Regulations for Baden-Württemberg (LBO).

## 5 Applicable provisions

The provisions of DIN 18008-4, Additional requirements for fall-protection glazing, must be observed for the designs. Reference is also made to the current versions of the following standards and information sheets:

- [a] State Building Regulations for Baden-Württemberg (LBO)
- [b] Administrative Regulation Technical Building Regulations - VwV TB
- [c] DIN EN 14449; Glass in building - Laminated glass and laminated safety glass
- [d] DIN EN 572, Part 1-2; Glass in building - Basic soda lime silicate glass products
- [e] DIN EN 12150, Part 1; Glass in building - Thermally toughened soda lime silicate safety glass
- [f] DIN EN 14179; Part 2; Glass in building - Heat-strengthened, thermally toughened soda lime silicate safety glass
- [g] DIN EN 1863, Part 1; Glass in building - Partially toughened soda lime silicate glass
- [h] DIN 18545; Sealing of glazing with sealants
- [i] DIN 18008, Part 1-2; Glass in building - Design and construction rules

## III Legal basis

This general building authority test certificate is issued on the basis of Section 16a of the State Building Regulations for Baden-Württemberg in conjunction with the Administrative Regulation on Technical Building Regulations of Baden-Württemberg. If provided for in the relevant building regulations, the general building authority test certificate is also valid in other federal states.

## IV. Information on legal remedies

An objection to this general building authority test certificate may be lodged within one month of notification. The objection must be submitted in writing or for recording at Labor für Stahl- und Leichtmetallbau GmbH.

### Notice:

*This translation is for non-binding information only!*

*Legally binding is the original German version with seal of LSL!*