



GUTMANN

## *Quick guide*

Fall protection glazing

FPS / FPS-K / FPA

[gutmann.de](http://gutmann.de) | [tuulo.de](http://tuulo.de)

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# Where can I find fall protection glazing?

There are two options for finding fall protection glazing:

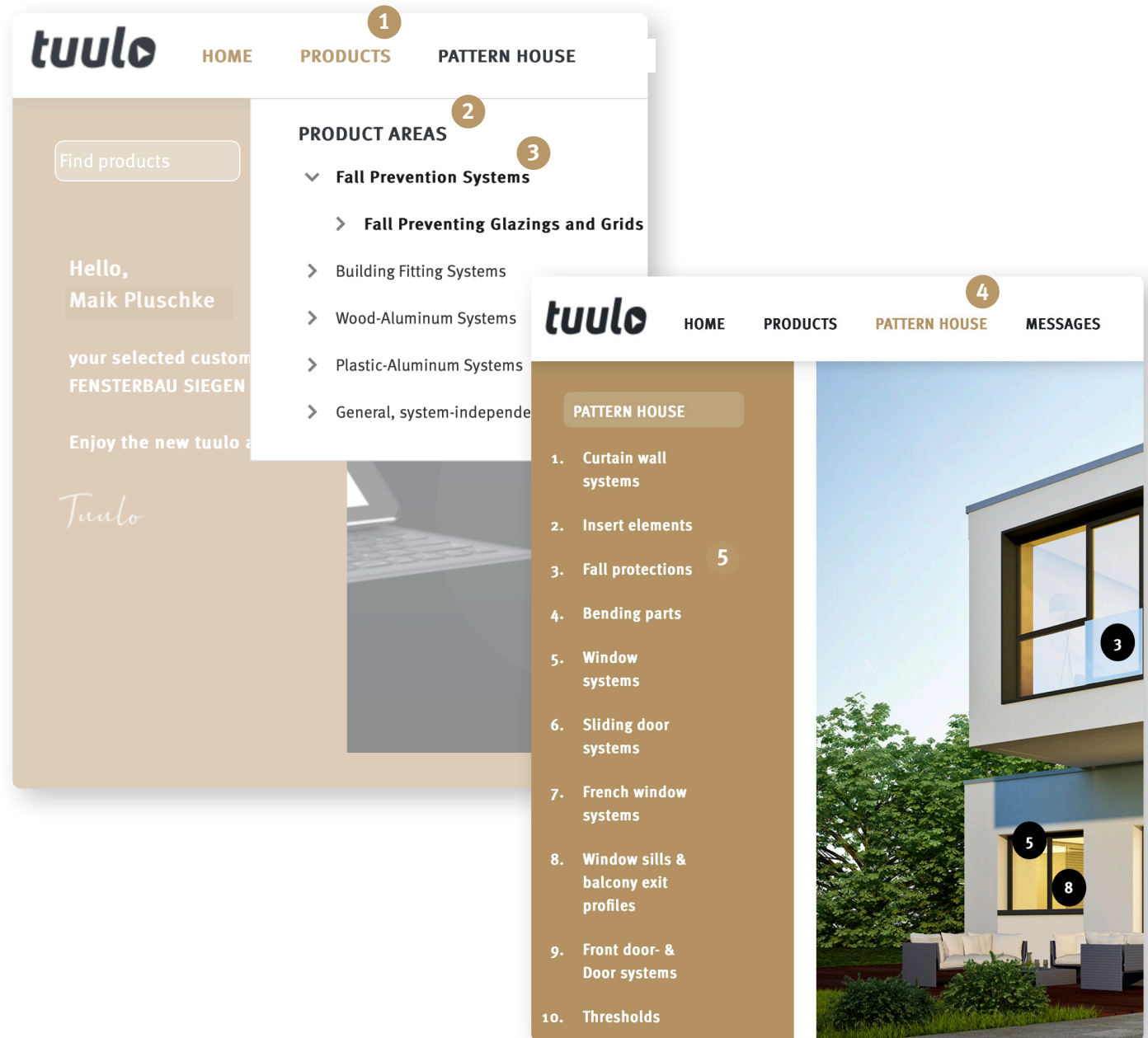
## Option 1:

For quick access to products, click on **1** “Product” in the main menu.

Then select menu item **2** “FPS -French balcony“, followed by the drop-down menu item **3** “Fall protection glazing“.

## Option 2:

Click on **4** “Show house” and select **5** “Fall protection“.



# Selection of required fall protection glazing

The screenshot shows the tuulo website interface. The navigation menu includes HOME, PRODUCTS, PATTERN HOUSE, and MESSAGES. A search bar contains 'FENSTERBAU SIEGEN GMBH (24130 - SIEGEN)'. The user is logged out and has a shopping cart with 0,00 €. The left sidebar shows a navigation tree with 'Fall Prevention Systems' expanded, and 'Fall Preventing Glazings and Grids' selected. The main content area displays three product cards:

- SYSTEM VARIANT FPS**  
GUTMANN surface mounted fall protection FPS  
Not only in modern office buildings, but also in private homes, floor-to-ceiling windows are often chosen as a design element. In contrast to balcony doors, you would step into nothing after opening them - which is why such windows have to be especially secured against falling down. In modern architecture, great importance is attached to an unobstructed view to the outside without neglecting the safety aspect.  
[List of articles >](#)  
[Start configurator >](#) (indicated by a mouse cursor)
- SYSTEM VARIANT FPS-K**  
GUTMANN Fall Prevention FPS-K with Bracket Attachment  
Floor-to-ceiling windows as a design element are gaining in popularity not only in modern office buildings, but also in private homes. Unlike balcony doors, they open into a void, so this type of window must be equipped with a special fall prevention system. One of the main concerns of modern architecture is to provide an unobstructed view outside without neglecting safety issues.  
[List of articles >](#)  
[Start configurator >](#)
- SYSTEM VARIANT FPA**  
GUTMANN FPA Aluminium fall protection railings  
GUTMANN FPA fall protection railings offer a convincingly high standard of functionality and safety. With their timeless elegant design, they also blend in harmoniously with modern architecture. They are characterized by an unobtrusive, filigree look thanks to optimized upper and lower bars and the fact that the vertical bars are equally spaced, regardless of the overall width.  
[List of articles >](#)  
[Start configurator >](#)


The three systems (FPS, FPS-K and FPA) are listed under **1 Fall protection glazing**; select menu item **2 "System FPS"** and continue with **"Start configurator"**.



Bar goods are only available for the system version „FPS“. You can find these in the article list. Systems „FPS-K“ and „FPA“ are only available sets.

# Configurator default settings (FPS / FPS-K/ FPA)

Write the project-related information in the boxes 1 “Quantity and item no.“.  
Then select mounting type under menu item 2 “FPS Fastening“ before defining the required colour 3 in the next menu item.



Selection of Mounting is essential for accessories such as screws and gaskets...

### FPS Configurator

**1** Quantity

Position

**2** Fastening

**3** Colour

Colour table

Colour shade

Surface finish

Gloss level

Price group

Height Without Cover

Width

Glass thickness

Width (o mm)

Height Without Cover (omm)

Frame profile

Cover Profile

Edge guard profile

Static preliminary examination (close examination)

Wind zone

Building height (ridge height)

Beam load

Wind load

Group

Suggestion from glass static

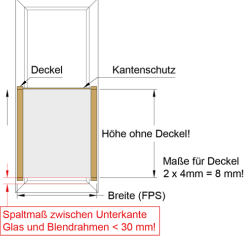
Static check successful

**No suggestions**

Proposal from pendulum test

Pendulum check successful

**No suggestions**



Construction create

Fastening options

# Colour configurator - surface finish selection

The FPS Configurator interface includes the following sections:

- Quantity:** 1
- Position:** right
- Fastening:** Wood Windows
- Colour:** specify colour! (with a circled '1' and an arrow pointing to the 'specify colour!' option)
- Surface finish:** (empty)
- Gloss level:** (empty)
- Price group:** (empty)
- Height Without Cover:** (empty)
- Width:** (empty)
- Glass thickness:** 12,76 mm

Technical specifications and options:

- Width (o mm): Width 'b1'
- Height Without Cover (omm): Height 'H'
- Glass thickness: 12.76 mm
- Glass width: 0 mm
- Glass height: 0 mm
- Frame profile: Please select
- Cover Profile: Cover profile ATR 40E
- Edge guard profile: Edge guard KTS 15.6
- Static preliminary examination (close examination): Germany
- Wind zone: 1
- Building height (ridge height): h <= 10m
- Beam load: 0.5 - for non-
- Wind load: 0.85
- Group: Landlocked
- Possible glass thickness: 12,76 mm

Technical diagram labels: Deckel, Kärnterschutz, Höhe ohne Deckell, Maße für Deckel 2 x 4mm = 8 mm!, Breite (FPS), Spaltmaß zwischen Unterkante Glas und Blendrahmen < 30 mm!

It is also possible to select individual colours under **1** “Colour” by clicking on “Specify colour!”. Besides the standard in-stock colours, special coatings are available for selection.

The 'Surface selection' dialog box contains the following options:

- Colour table:** RAL
- Colour shade:** 3000
- Colour:** Feuerrot
- Surface finish:** Glatt
- Gloss level:** Matt
- Quality:** Standard
- Preview:** A red color swatch.
- Powder manufacturer:** INVER
- Powder number:** 3748.90
- Price group:** 1
- Color Result Code:** R3000GMoV10

Buttons at the bottom:

- APPLY SELECTION** (with a circled '3')
- RESET TO DEFAULT**

All parameters and filters listed under **2** “Surface selection” can be customized. After selecting the required colour, save it under **3** “Apply selection”.

# Configuration FPS

FPS-K Configurator

Quantity: 1

Position: right

Fastening: Plastic-Plastic-Aluminum ...

Colour: nature colour

Colour table: [ ]

Colour shade: [ ]

Surface finish: [ ]

Gloss level: [ ]

Price group: [ ]

Height Without Cover: 1215

Width: 800

Glass thickness: 12,76 mm

**1** Window width (698 mm): 800

Height Without Cover (1200mm): 1215

Frame profile: Basic profile GTR 40 unperfor...

Cover Profile: Cover profile ATR 40E

Edge guard profile: Edge guard KTS 15.9

Console length: 125 mm

Glass thickness: 12.76 mm **2**

Glass width: 698 mm

Glass height: 1200 mm

Static preliminary examination (close examination): Germany

Wind zone: 1

Building height (ridge height): h <= 10m

Beam load: 0.5 - for non-public ...

Wind load: 0.85

Group: Landlocked

Construction create: [ ]

Fastening options: [ ]

**3**

**4** TO THE NEXT STEP

Suggestion from glass static		Proposal from pendulum test	
Static check successful		Pendulum check successful	
Min heigth	Max width	Range of width	Range of heigth
500	700	500 - 700	500 - 1200
700	1900	700 - 2200	700 - 1200
1100	1900		

First fill in the boxes **1** “Width“ and „Height without cover“. If necessary, **2** “Glass thickness“ and “Frame profile“ can now be adjusted.

You will find an explanation of **3** “Static predimensioning“ on p.10 of this brochure.

Use the “Go to next step“ button **4** to complete the configuration procedure. You will find the relevant information on page 11.

# Configuration FPS-K

FPS Configurator

**Quantity**

**Position**

**Fastening**

**Colour**

**Colour table**

**Colour shade**

**Surface finish**

**Gloss level**

**Price group**

**Height Without Cover**

**Width**

**Glass thickness**

**Width (o mm)**

**Height Without Cover (omm)**

**Frame profile**

**Glass thickness**

**Glass width**

**Glass height**

**Cover Profile**

**Edge guard profile**

Static preliminary examination (close examination)

**Wind zone**  **Building height (ridge height)**  **Beam load**

**Wind load**  **Group**

**Suggestion from glass static**  
 Static check successful  
**No suggestions**

**Proposal from pendulum test**  
 Pendulum check successful  
**No suggestions**

**Construction create**

**Fastening options**

**TO THE NEXT STEP**

First fill in the boxes 1 “Width” and “Height without cover”. Then select the required 2 “Length of consoles”. If necessary, 3 “Glass thickness” and „Frame profile“ can now be adjusted.

You will find an explanation of 4 “Static predimensioning” on p.10 of this brochure. Use the “Go to next step” button 5 to complete the configuration procedure. You will find the relevant information on page 11.



# Configuration FPA

First fill in the fields 1 “Width incl. mounting consoles” and “Height”, then select the required “Profile („top“ and “bottom“)” and “Spar load” 2 .

When all the necessary fields have been filled in, a preview of the configured FPA is displayed.

Use the “Go to next step” button 3 to complete the configuration procedure. You will find the relevant information on page 11.

The screenshot shows the 'FPA Configurator' interface with the following configuration details:

- Quantity:** 1
- Position:** right
- Fastening:** Aluminum Windows
- Colour:** traffic white
- Colour table:** [empty field]
- Colour shade:** [empty field]
- Surface finish:** [empty field]
- Gloss level:** [empty field]
- Price group:** [empty field]
- Height:** 800
- Width:** 600

Configuration parameters (Step 1):

- Width including mounting brackets:** 600
- Height:** 800
- Profile "top and bottom":** Basic profile GF 45.30
- Beam load:** <math>\leq N/m</math> - nicht öffentliche Bereiche
- Number of vertical bars:** 5
- Lateral overhang:** 55 mm
- "b" = Mounting distance (Width):** 580 mm
- "h" = Mounting distance (Height):** 640 mm
- "k" = Mounting distance (Console):** 65 mm

Technical diagram labels:

- Breite Fenster
- Konsole
- s
- 110
- k
- Breite B
- Höhe H

Buttons:

- Construction create (active)
- Fastening options
- TO THE NEXT STEP (Step 3)

## FPS configuration (static pre-dimensioning)

Wind zone: 1

Building height (ridge height): h ≤ 10m

Beam load: 0.5 - for non-public ...

Wind load: 0.85

Group: Landlocked

**Suggestion from glass static** 1  
Static check successful

Min height	Max width	
500	700	●
700	1900	●
1100	1900	●

**Proposal from pendulum test**  
Pendulum check successful

Range of width	Range of height
500 - 700	500 - 1200
700 - 2200	700 - 1200

2 TO THE NEXT STEP



Static pre-dimensioning is recalculated and updated with every change of width, height, frame profile and glass thickness, as well as changes of wind zone, building height, spar load, wind load and group.

“Suggestion from glass statics” and “Proposal from pendulum test” fields 1 is green, the data provided comply with the requirements of the static test and pendulum impact test!

If the data do not comply with the values required for general building approval purposes, the traffic light stays red (but it is still possible to place an order!). Use the “Go to next step” button 2 to complete the configuration procedure. You will find the relevant information on page 11.

# Configuration completion (FPS / FPS-K / FPA)

When the page is opened, a cross-section view of the required model, including all screws and gaskets, is displayed.

The box 1 “Planning basis noted” must be ticked.

You can download all the important information about your desired French balcony as a PDF under 2 “Download planning principles”.

You can either save the configured FPS model under 3 “Note for order” and proceed to the ordering process, or create a further newly configurable model under 4 “Add additional FPS”.



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