



Planersoftware 3.0

DIGITAL SUPPORT

Planersoftware 3.0 is a professional configurator that enables you to plan windows and doors. In addition, you can export windows and doors in the DWG/DXF or IFC format.

The tool is free of charge and does not require installation.

Learn more about the many functions in Planersoftware 3.0 on the following pages.

Planersoftware 3.0 supports you in planning your windows and doors:

- *Planning security*
- *More efficient working*
- *High-quality BIM data*
- *Continuous support*

Planersoftware 3.0

THE DIGITAL SOLUTION

You're an architect, planner, engineer, BIM user... and are currently facing these challenges while planning windows and doors?

- You're having problems finding current product data
- You're having trouble finding the right information
- You're asking yourself whether the element is compatible with your installation situation
- Is the planned window or door element feasible?
- Which window or door element matches my conditions (U value, sound, size, colour, profile sizes for e.g. incidence of light or appearance, installation position, location)
- Lack of visualisation options
- Insufficient technical data

We have just the solution!



BENEFITS OF PLANERSOFTWARE 3.0

PLANNING SECURITY



By testing the maximum sizes and the static predimensioning, you can be sure that you get the planned window or door element (from your window supplier) during construction



Automatic calculation of the U_w value and the option to perform isotherm calculation based on any wall structure



The product data are continuously updated, meaning you always get latest data here



Digital data exchange with project stakeholders as well as GEALAN experts for planning support

3D

3D visualisation with colouration and the exact profile views for the real window

SAVE TIME



Infinite window and door selection: choose from predefined elements or easily create your own window and door shapes



You can create 2D sectional drawings from the elements created and download them in DWG, DXF, Word, PDF or PNG format as well as in the 3D formats IFC2x3 or IFC4



You can create a project and generate specifications (including in GAEB format), an item list, U value overview and more from your configured windows in just a few clicks.

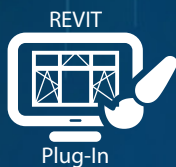
BENEFITS

BIM-COMPATIBLE



By installing the Plug-In, you can open Planersoftware 3.0 with all its functions and benefits right in Revit or ArchiCAD.

- Create your own high-quality BIM windows and doors in just a few minutes
- BIM models tailored to the LOG and LOI
- Small BIM model file sizes



Easily design the window and door shapes you need and import them into your Revit project as a Revit family or into your ArchiCAD project as a library part.



*Revit specialist presenting Planersoftware 3.0 Plug-In
(all functions also available in the ArchiCAD Add-On):
www.youtube.com/watch?v=2qGBd6410pg*

APPLICATION

Planersoftware 3.0 in the browser

Planersoftware 3.0 as a Revit Plug-In and ArchiCAD Add-On

APPLICATION	Web application	Plug-In in Revit/Add-On in ArchiCAD
EXPORTABLE DATA FORMATS	DWG, DXF, IFC2x3, IFC4, Word, PDF, GAEB-90 (D81), GAEB-XML (X81)	Revit family, ArchiCAD library part
INSTALLATION	No installation required	Plug-In/Add-On installation
COMPATIBILITY	Firefox, Google Chrome, Safari, Internet Explorer, Opera	Autodesk Revit®, Graphisoft® Archicad®

Both variants are free of charge for architects, planners and construction companies



FEEDBACK

WHAT ARCHITECTS HAVE TO SAY

“Extremely versatile, extensive configurator with numerous technical and structural physics data; pointers indicating infeasible constructions; very clear information and links to technical data, approvals etc.”

“GEALAN takes BIM very seriously, and the open BIM data are also available. Quite exemplary!”

“The manufacturer is compatible with the large CAD systems, pays attention to the LOG and is continuously developing in the area of BIM.”

“Extremely detailed and intuitive to use. The visualisation of the products together with the tutorials is excellent.”

“The Plug-Ins and object quality are great! Very good objects overall; LOG and LOI are also accurate.”



THIRD GOLD IN A ROW

Third time's the charm: the 2022 ARCHITECTS' DARLING® has once more gone to GEALAN in the "Best BIM data offering" category! With 2020 and 2021, this is the third time in the row that the PVC system provider headquartered in Oberkotzau has come out on top, winning over the top-class jury. Repeatedly receiving the ARCHITECTS' DARLING® in gold affirms GEALAN's role as a pioneer in digital planning.



Insights

EXTENSIVE OFFERING

VISUALISATION IN 2D AND 3D

INFINITE SELECTION OF SHAPES

- Standard windows
- Front doors
- Glazed doors
- Corner windows
- Free structures
- Special shapes
- Sliding doors

ENTIRE GEALAN PRODUCT RANGE



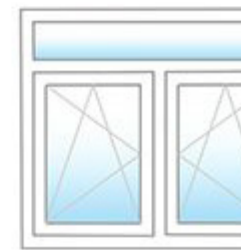
zweiteiliges Stulpfenster, Dreh/Dreh-Kipp zweiteiliges Stulpfenster, Dreh/Dreh-Kipp groß



zweiteiliges Fenster, Dreh-Kipp/Dreh-Kipp



Dreh-Kippfenster mit Brüstung



zweiteiliges Fenster Kipp/Dreh-Kipp mit Oberlicht



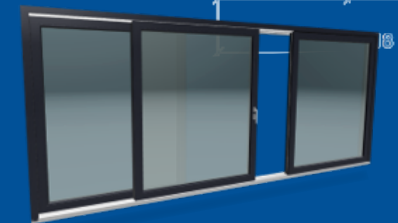
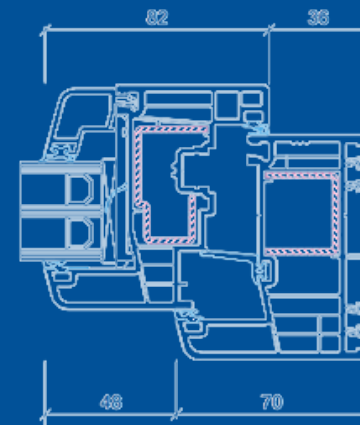
Fenster mit Brüstung



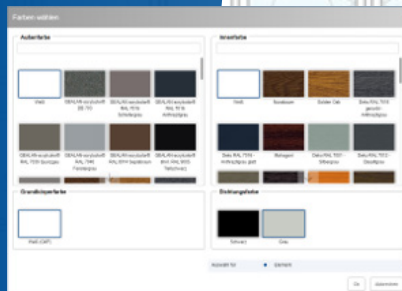
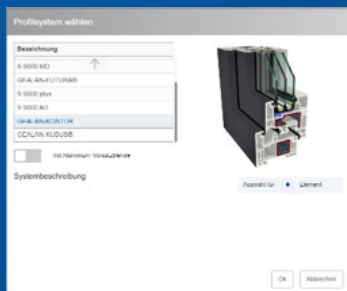
dreiteiliges Fenster Pfosten/Stulp



dreiteiliges Fenster Kipp/Dreh-Kipp



Realistic visualisation of windows of all shapes, as well as sliding doors



Insights

U_w VALUE CALCULATION

On the safe side in just a few clicks: based on your custom configuration, Planersoftware 3.0 calculates a U value for your window of choice in real time.

Ergebnis


Es erfolgt eine flächengewichtete Mittelung der Wärmedurchgangskoeffizienten U_f und U_g über die Rahmenanteile bzw. Füllungsanteile, sinngemäß zur EN ISO 10077-1:

U_w = 0.94 W/m²K

[1] Fenster

U _w	U _{g,m}	U _{f,m}	ΣA _f	ΣA _g	ΣL _g	P _{sig,m}
W/m ² K	W/m ² K	W/m ² K	m ²	m ²	m	W/m ² K
0.94	0.7	1.1	0.78	1.55	7.24	0.030

Version 1.0



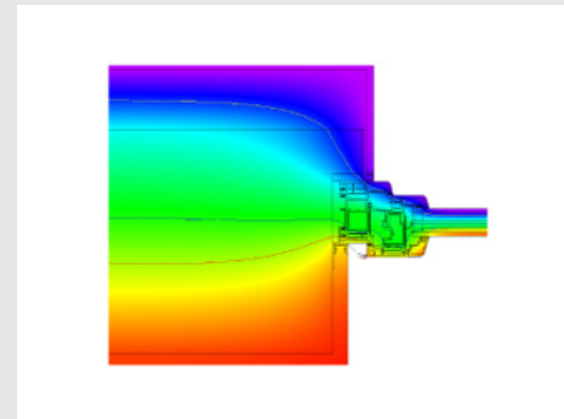
$F = \int f(x) dx$

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You can rely on our data:
U value calculation by
Planersoftware 3.0 is certified by
testing institute ift Rosenheim.

ISOTHERM CALCULATION

Security for your planning: isothermal lines are lines with the same temperature through the building structure connection. Planersoftware 3.0 shows you possible weak points during the planning stage.



At a glance: the 9.3°C
and 12.6°C isothermal
lines must run within the
design. In addition, the
fRsi factor is calculated.

Insights

STATIC PREDIMENSIONING

The applicable loads are determined by entering the design parameters and permissible deformation.

Modulname vereinfachtes Verfahren bis 25 m

Element liegt im Handbereich

Blauverglasungstabelle

Windzone

Gedächtdangene

Gebäudehöhe über NN

Gebäudehöhe

Horizontale Notwendigkeit

Abstandsbemessung gemäß DIN 18055, einseitig

Zulässige Verformung aus Fassadebene

Zulässige Verformung der größten Scheibe

Modulname vereinfachtes Verfahren bis 25 m

Ja

5,10 x 3

Windzone 1 (Wind 22,5 ms, ggf. 0,30 kWh/m²)

Bemessungsbereich (Bemessungsbereich der Gebäudekategorie II + III)

s = 10 m

keine

80-A-3

L / 200, max. 15 mm

L / 500, max. 3 mm

-

Nummer	Profil	ix Ent.	ix Vert.	Auslastung aus Fassade	iy Ent.	iy Vert.	Auslastung in Auslastung Profil Fassade
PR1_1	6054 Profin 158 mm	1,00 cm ⁴	19,90 cm ⁴	0,5 %	0,27 cm ⁴	0,84 cm ⁴	0,5 %

Nummer	Profil	Veranker (in kg / unten)	Veranker (aus / oben)	PKA Ent.	PKA Vert.	Auslastung L Anger A	PKB Ent.	PKB Vert.	Auslastung L Anger B
PR1_1	6054 Profin 158 mm	0418	0418	0,22 kN	0,22 kN	13 %	0,22 kN	0,00 kN	13 %

Konstruktionsgewicht: 100 kg

[1] Fenster ca 100 kg

[2] Profil an Rahmen

ca 62 kg

ca 12 kg

Glas-Füllungsmaß

1036 mm x 1302 mm

1132 mm x 318 mm

0,94 W/m²K

22 dB

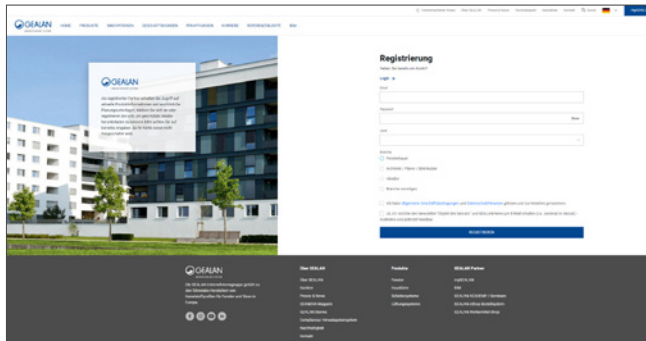
The static predimensioning calculates the required inertia torques due to the loads and compares them with your configuration: the final window design is statically analysed based on the installation location, installation situation and the position in the building.

SASH AND MAXIMUM SIZE CHECK

The size requirements for windows and doors are constantly growing. Window systems are being developed for ever larger maximum sizes. Find out quickly and reliably whether your desired element is feasible as planned.



With illustrative graphics, GEALAN's Planersoftware 3.0 helps you plan your projects in real time.



Application IN THE BROWSER

1. Register on the GEALAN website:
<https://www.gealan.de/en/account/registration>
2. Next, open Planersoftware 3.0:
<https://www.gealan.de/en/architects-designers/planersoftware>
Here, click "ACCESS TO PLANERSOFTWARE 3.0" and follow the instructions
3. You then have full access to Planersoftware 3.0 in the browser.

AS A PLUG-IN

1. Register on the GEALAN website:
www.gealan.de/en/account/registration
2. Open Planersoftware 3.0:
<https://www.gealan.de/en/architects-designers/planersoftware>
Here, click "ACCESS TO PLANERSOFTWARE 3.0" and follow the instructions
3. Download the Plug-In for Revit or the Add-On for ArchiCAD here: <https://www.gealan.de/en/architects-designers/bim/#solutions-from-gealan>

- Following installation, you will find the Revit Plug-in in Revit under Add-Ins and the ArchiCAD Add-On in ArchiCAD in the top menu bar.
4. In the Plug-In/Add-On settings, log in with your e-mail and password from the GEALAN homepage.
 5. After that, you can use the entire scope of functions of the Revit Plug-In/ArchiCAD Add-On.

Support

ARCHITECTURAL CONSULTANT

Our in-house Architectural Consultant supports you in planning your windows and doors, covering the following and more:

- Which profile system can be selected
- Feasibility → Sizes, static values
- Colours
- U_w and sound



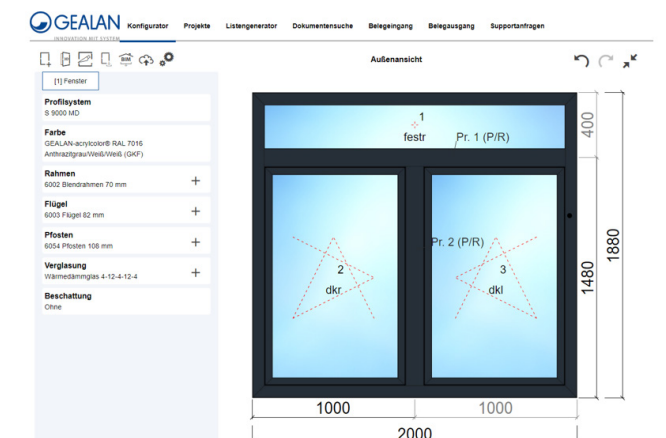
CONSTRUCTION CONSULTANT

The Construction Consultant connects architects and planners with dealers and window manufacturers and accompanies your object from planning to execution in the area of windows and doors.



PLANERSOFTWARE 3.0/BIM

We would be happy to assist you in using our Planersoftware 3.0 as well as the GEALAN BIM data.



You will find more information and contact details at: <https://www.gealan.de/en/architects-designers>