

Software-Upgrade

The ongoing developments in the systems of Schüco and Jansen are integrated parallel in our software solutions SchüCal and JANISOFT.

A new program version is now available for download:

SCHÜCAL | JANISOFT 2025 R1

Notes on the Installation:

Please stop your anti virus software before installation.

► Installation details – see Page 2

Notes on the Software-Upgrade:

Price level Schüco: 14.04.2025

Price level Jansen: 02.01.2023

► Version notes – see Page 4

If you have any questions, please do not hesitate to contact the **Software Service Team**.

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Installation SchüCal | JANIsoft

IMPORTANT

Please deactivate your virus scanner before installation and close all programs.

General notes

1. We recommend that you make a back up of your program settings and objects before installing the upgrade. If you have created your own templates for output lists or quotations, also save them separately and copy them back in the appropriate folders after installation.
2. Please reboot the computer before you start the installation.
3. Make sure that your operating system is up to date (WIN 11) and that there is enough free disk space.
4. Make sure that you are logged in as a user who has the rights to install software on the system
5. Network configuration
 - Please ensure that all SchüCal / JANIsoft users have closed the program.
 - When upgrading, all workstations together must be updated to the current version.
 - The installation have to be done on all workstations with the local configuration.

Preparing the installation - Download

- Save the ISO file to any directory using the link from the SWS newsletter.
- A "virtual drive" is displayed when the file is executed. This behaves like a "DVD drive".
- The installation starts automatically
- Execute the setup file "Setup.exe" manually.
- The downloaded ISO file can be deleted once the installation is complete. These are no longer required. To do this, the "DVD" must first be "ejected" by selecting the virtual DVD drive with the right mouse button and clicking on "eject". The ISO file can now be deleted..

Installation:

In the following the steps through the installation are described:

- 1. User Information**
 1. Select the setup language - has no effect on the programs
- 2. License Agreement**
 2. Read the license agreement and then select the option:
"I accept the terms of the license agreement."
 3. Then click on "Next>".
- 3. Target folder (only for new installation)**
 - confirm the suggested destination folder where the program should be installed
 - click on "Next >"
- 4. Start Installation**
 - Click on Install to start the installation process - a status bar informs you about the progress of the installation process.
- 5. Finish Installation**
 - The completion of the installation process is indicated by a message.
 - Finish the installation by clicking on the "Finish" button

We recommend that you restart the computer immediately after the installation.

Note:

After the upgrade installation, please check the current price list status in the version information area: "General - Master data - Help". If this line is not displayed correctly, please contact a member of the Software Service department immediately.

Recommendation

When printing the calculation list, articles with special characters can be included, so we recommend that you always print a "Bulk order list". If there are articles with special characters in the Status column, proceed as described below.

In order to be able to carry out calculations correctly, the prices for the articles which are marked with special characters in the bulk order list must be requested from ALUKÖNIGSTAHL. The article prices received can be entered in the program under "Master data - Article conditions" as net prices and thus the calculation can be carried out correctly.

The corresponding meanings of the special characters can be found in the legend of the Bulk order list. To print this legend on the Bulk order list, select the option "Legend article status", which can be found in the options of the mass compilation (output options).

General Notes

The new features and changes are described in general terms. The availability of the systems, materials and functions is dependent on your configuration level of the program.

I. General program changes (for all design types)

Glass and panel

Panel composition once again with decimal place

From version 2024 R1, it was no longer possible to enter the panel thicknesses (total and individual panes for outer, inner and centre) with a decimal place. As of this version, this change will be reversed, and entries with decimal places will no longer be rounded to the nearest whole millimetre.

These entries are correctly displayed in the program (in the quick info or in the profile section for example) with the decimal place.

In the output lists, however, the panel composition is listed – as before – without the decimal place.

Please note:

Please check the panel thicknesses in your existing items and adjust them as necessary.

Output

Environmental Product Declaration (EPD): New standard and output method

(As of 2024 R2 SP02, 01/01/2025)

The Environmental Product Declaration (EPD) is generated in accordance with the new standard EN 15804 A2 and will be processed using a web service. An internet connection is essential for this. The documents generated are made available for you to download. You receive an e-mail with the link which you can use to download the generated documents within 7 days.

- Before outputting the Environmental Product Declaration (EPD), you must enter a valid e-mail address in the output dialog box that appears. There are also input fields for the transportation of the materials to the building site. There are now also additional input fields for electric HGVs.
- As with the old output process, the *Unit overview* and *CE marking* lists are also always output as an appendix.
- The documents provided for download are always in English.

Please note:

Depending on the size of the project, creating the EPD documents may take some time. In any case, you will receive a confirmation e-mail and, upon completion of the EPD, an e-mail with

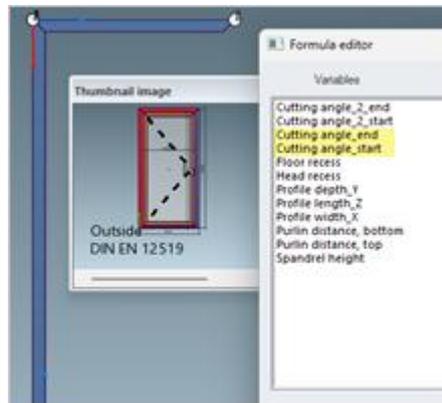
the download link. While the documents are being generated, you can continue to work in the program as usual.

Machine control

Processing mode: Correction of "Cutting angle_start" and "Cutting angle_end" variables

For the *Cutting angle_start* and *Cutting angle_end* variables offered in the formula editor, the angles were transposed for the left and top outer frame profiles. For *Cutting angle_start*, the angle at the end of the profile was plotted, and for *Cutting angle_end*, the angle at the start of the profile was plotted.

This has been corrected with this version.

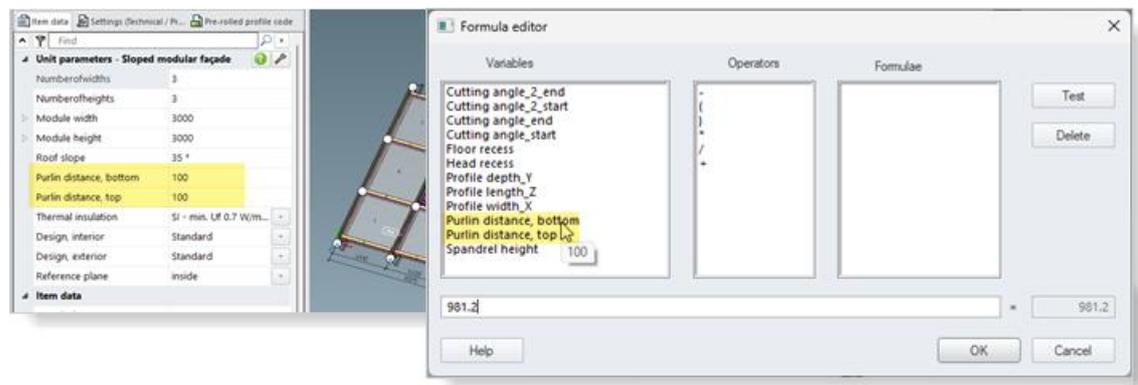


Please note:

This correction may affect existing items. If you have manipulated processes on the left and top outer frame profiles in the previous versions using this formula in processing mode, the processes will move on the affected profiles accordingly if the angles are different. Please check these items.

Processing mode: New "Purlin distance, top" and "Purlin distance, bottom" variables

As of this version, the variables *Purlin distance, top* and *Purlin distance, bottom* are offered in the formula editor. These calculate the value that is entered for the item in the unit parameters of the same name for a sloped façade construction.



IFC export

IFC export revised

The data export function to IFC files has been revised (project explorer menu ribbon > Manage tab > IFC group).

The new IFC export can create an IFC file at LOD 100, LOD 200 or LOD 400 from the selected project.



II. Aluminium design type

II.1 Discontinued systems

Fire and smoke protection (aluminium)

The following system has been removed from the Schüco range and will no longer be available in the program for new items.

System	Comment
Firestop T90/F90	Release on request

Façade insert unit (aluminium)

The following system has been removed from the Schüco range and will no longer be available in the program for new items.

System	Comment
Schüco AWS 57 RO (roof window)	Release on request

II.2 Changes to aluminium systems

For all systems (aluminium)

Calculation

Contacts – coaters:

Other pre-defined powder coating surface finishes

As of this version, you can find other pre-defined powder coating surface finishes in the conditions for the system coater and for user-defined coaters. The available colours have already been assigned new codes in the *Colours* dialog box.

For the specific surface finishes for Schüco Perfect, the *Perfect metallic* type has also been added.

The powder coating surface finishes that have been newly added are:

- 30: Powder, white, matt
- 31: Powder, white, matt, with pre-anodising
- 32: Powder, various, matt
- 33: Powder, various, matt, with pre-anodising
- 34: Powder, metallic, matt
- 35: Powder, metallic, matt, with pre-anodising
- 36: Powder, fine texture
- 37: Powder, fine texture, with pre-anodising
- 38: Powder, fine texture, metallic
- 39: Powder, fine texture, metallic, with pre-anodising

The surface finishes for Schüco Perfect that have been newly added are:

- 56: Perfect metallic, highly weather-resistant
- 57: Perfect metallic, highly weather-resistant, with pre-anodising
- 58: Perfect pearl effect, highly weather-resistant
- 59: Perfect pearl effect, highly weather-resistant, with pre-anodising

Airborne sound reduction

Other systems with airborne sound reduction

As of this version, airborne sound reduction values can be calculated for other units:

- Schüco AWS 75 BS.SI+ windows

Windows/doors (aluminium)

Schüco AvanTec SimplySmart and Schüco surface-mounted SimplySmart window fitting: Geometric ventilation surface area – change to calculation

DriveTec (ventilation) operating type: Side-hung and bottom-hung window (drive at top) opening types

TipTronic operating type: Turn/tilt, side-hung and bottom-hung, and ventilation vent opening types

The calculation of the free geometric ventilation surface area has been simplified and is now standardised in accordance with ASR 3.6 IFI (I.F.I = Institute of Industrial Aerodynamics).

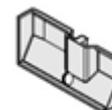
In the *Field properties* dialog box under the *Fittings* group, the *Geometric ventilation surface area Ag* selection list has been renamed *Geometric ventilation surface area Ageo*.

The options for taking into account the triangular areas have therefore been removed. Instead, *Ventilation cross section standardised in accordance with ASR3.6IFI* is set by default and cannot be changed.

The result of the calculation is displayed for you underneath (in square metres, rounded to 4 decimal places).

All Schüco AWS window systems: Seals for T-joints

The conditions for use of the joint plates in K18001 have been changed. As of this version, seals for T-joints are always calculated in the bottom joints if the check box is checked for the technical setting *Cleat with corner reinforcement and corner chevron* (*Cleats* group).



Please note:

This change affects existing items. Please check these items.

**Schüco AWS 75 PD.SI:
Change to cover strip in window vent**

As of this version, cover strip Art. No. 278740 (6 m) is calculated with the amended article number 200650 in a stock length of 30 x 3.2 m.

**Please note:**

This change affects existing items. Please check these items.

**Schüco AW RO 50 roof window:
Permissible roof pitch checked**

In accordance with the system default settings, a Schüco AW RO 50 roof window can only be installed with a roof pitch of between 2 and 75 degrees. A corresponding check for insert units in façades was already carried out with the previous version.

As of this version, an input field for the *Roof slope* is displayed in the *Field properties* dialog box under the *Openings* group for units that are created with the *Roof window* unit template as a stand-alone unit. If you enter a different roof pitch here, you will receive a corresponding notification.

Sliding units (aluminium)**Sliding units (for all systems):
Correction of automatically calculated segment dimensions**

(As of 2024 R2 SP01)

When calculating segment dimensions, deviations from the specifications in the manuals occurred when the profile reference dimension on the side outer edge of sliding units was changed – for example after adding extension profiles. This has been corrected.

Items to which supplementary profiles have been added (e.g. extension profiles) with the option *Profile reference = Inside* are not affected.

Please note the following for existing items in which the right and/or left profile reference dimensions have been adjusted with different options:

- In items where the segment dimensions have not been changed manually (all boxes checked), the division of the vent is corrected automatically.
- In items where the segment dimensions have been changed manually, all of the amended values will remain (boxes not checked). However, the segment dimensions that are calculated automatically do change (boxes checked).

If you have not yet installed service pack 2024 R2 SP01, please check the updated segment dimensions in the affected items and amend them as necessary.

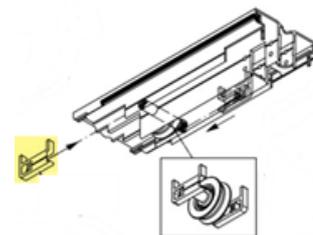
**Schüco AS PD 75.HI:
Protection kit Art. No. 225596**

As of this version, protection kit Art. No. 225596 is generated for side cover profile Art. No. 552960 (*Dynamic cover profile* in the *Field properties* dialog box).



**Schüco AS PD 75.HI:
Clamp for roller**

For the Performance Line product line, the new article was already automatically calculated in the previous versions. As of this version, article 220637 will be replaced by the new article 225562 in the Design Line and Access Line product lines as well.



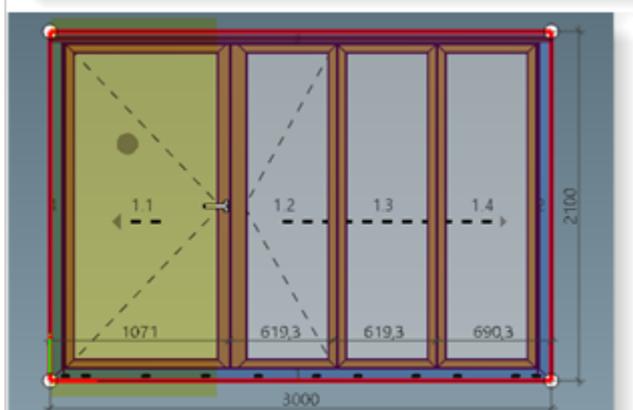
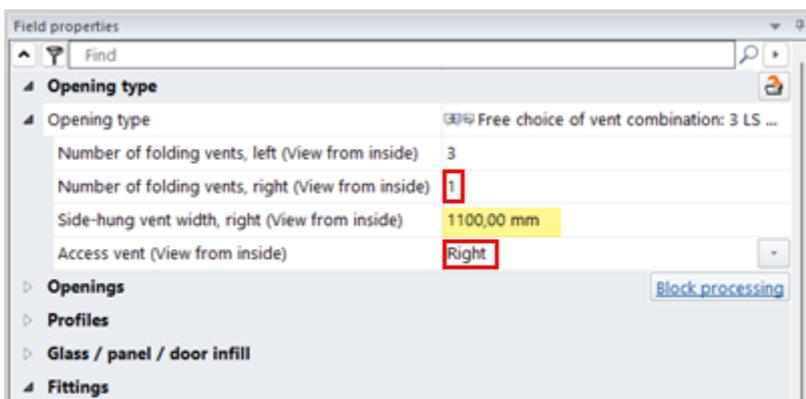
**Schüco AS FD 75 and Schüco AS FD 90.HI:
Adding extension profiles**

When selecting a side or top outer frame, as of this version you can select the appropriate profiles using the *Add extension profile* article selection function in the *Profile properties* dialog box.

**Schüco AS FD 75 and Schüco AS FD 90.HI:
New – user-defined input of width dimension for the vent on the outer frame side**

(As of 2024 R2 SP03)

For side-hung vents that butt up against the outer frame on the hinge side, it is now possible to enter a user-defined dimension. The *Number of folding vents* must be "1" and the vent must be the access vent.



Schüco AS FD 75 and Schüco AS FD 90.HI:
New – glazing rebate insulation with sealing tape

New article numbers are calculated for glazing rebate insulation:

Schüco AS FD 75		Schüco AS FD 90.HI	
Old	New	Old	New
Not available	225894	288138	225890
Not available	225952	288429 + 281811	225891

No corners are available for the new glazing rebate insulation.

This has resulted in the following changes to the default technical settings:

- Schüco AS FD 75:
The *U value optimisation* group with the *Glazing rebate insulation* property (*Standard* or *Without glazing rebate insulation*) is now offered for this system. The default is for no glazing rebate insulation to be calculated.
- Schüco AS FD 90.HI:
The *U value optimisation* group is removed, because the *Glazing rebate insulation* (*Standard* or *C2C Standard*) and *Corners for glazing rebate insulation* properties (*With corners* or *Without corners*) are no longer required.

Please note:

This change affects existing items in units in the Schüco AS FD 90.HI system. The new article numbers are calculated, potentially without corners.

Schüco AS FD 75 and Schüco AS FD 90.HI:
Relationship between the installation height of the door handle on the inside, vent heights and locking points

The calculation in the program has been adapted in accordance with the updated fabrication documentation (K1031478 and K1034759 (RC2)).

If the installation height of the door handle is changed, the program automatically adjusts the locking option depending on the vent height. In the previous versions, only the vent height was taken into account.

In the *Field properties* dialog box, a check box has been added to the *Installation height for door handle, inside* input field. If the box is not checked, the program calculates the value for this field. However, you can input your own dimension as before.

Please note:

This change affects existing items. Please check these items.

**Schüco AS FD 75 and Schüco AS FD 90.HI:
Calculation for monitoring of closing changed**

The calculation rules for the use of monitoring of closing have been changed.

- As a general rule, the following applies: if you want to use monitoring of closing, a folding handle must not be positioned on the outside.
- For double-vent units with user-defined side-hung vents, an additional door handle must also not be positioned on the outside. In addition, lock Art. No. 269267 with the corresponding additional locking points and shoot bolt pins Art. No. 232718 or Art. No. 232719 are also required for use of monitoring of closing.

If these conditions are not met, monitoring of closing cannot be selected.

Please note:

This change affects existing items. If you select monitoring of closing in your items but the conditions for it are not met, the calculation will change. Please check these items.

**Schüco AS FD 75 and Schüco AS FD 90.HI:
Roller carriages, roller carriage hinges and turn hinges**

In line with the product changes, the new article numbers for the roller carriages, roller carriage hinges and turn hinges are now calculated. Articles with a stainless steel look are now also available.

Please note:

This change affects existing items. The new article numbers are calculated. If you have selected stainless steel look as the fittings colour, the stainless steel look articles will be generated instead of the C0 articles. Please check these items.

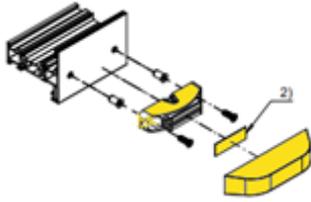
**Schüco AS FD 75 and Schüco AS FD 90.HI:
Updates to RC 2 and PAS 24 fittings types**

The calculation is carried out in accordance with the updated order and fabrication documentation.

- The RC 2 and PAS 24 fittings types can now be selected in both face widths for all inward and outward-opening units.
 - Restrictions:
 - PAS 24 fittings are no longer offered for selection for units in the Schüco AS FD 90.HI system.
 - PAS 24 fittings cannot be selected for units with glazing bars.
 - RC 2 fittings cannot be selected for units with an even number of vents.
- The minimum vent heights have changed.
- The automatic calculation of additional locking points has been amended.

Please note:

These changes affect existing items. Please check these items.

**Schüco AS FD 75 and Schüco AS FD 90.HI:
Magnetic retaining catch – new article number**

As of this version, the magnetic retaining catch (K1026841) is calculated with a new article number.

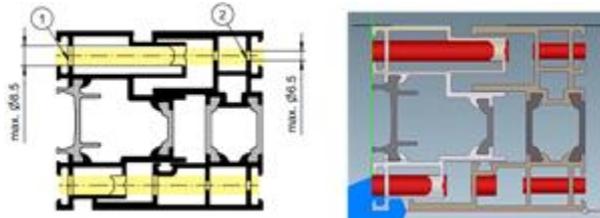
Old: Art. No. 281587

New: Art. No. 270895

Machine control**Schüco AS FD 75 and Schüco AS FD 90.HI:
Optional building structure attachment holes**

As of this version, you can find the new property *Preparing the attachment to building structure/adjustment profile* in the processing settings under the *Fixing holes* group.

There you can specify whether or not you want to generate holes in the side outer frame and adjustment profiles (reverse rebate profiles). The default setting is *Without*.



Schüco ASE 80.HI:**Automatically generated processes (MCO): Ventilation and drainage**

As part of our efforts to continually improve quality, processes for ventilation and drainage have been fully revised and additional processes have been added. All processes are automatically generated in accordance with the K drawings.

In this connection, the following changes have been made in the technical settings:

- In the technical settings, the *Concealed* option is no longer offered for the *Transom* under the *Drainage/ventilation* group.
- In the technical settings, the *Cap type* property is now offered with the *Standard* and *Profile-integrated* options under the *Drainage/ventilation* group. With this version, the corresponding processes will be generated in accordance with your selection. The calculation of the caps will occur in a later version.

Exception: insert units in façades

No processes for ventilation and drainage are generated for insert units. This will be determined in a later version.

Please note:

The changes also affect existing items.

Façades (aluminium)**Schüco AWS 114 and Schüco AWS 114.SI insert units:****Adaptation of maximum vent dimensions**

For the *Projected top-hung window* (TipTronic operating type) and *Parallel-opening window* (TipTronic and standard operating types) opening types, the calculation has been adapted to the permissible sizes. It is now in line with the latest version of the manual.

Technical settings and processing settings**Schüco FWS 50/60:****Renaming the "Spacer blocks" property as "Glazing bridge"**

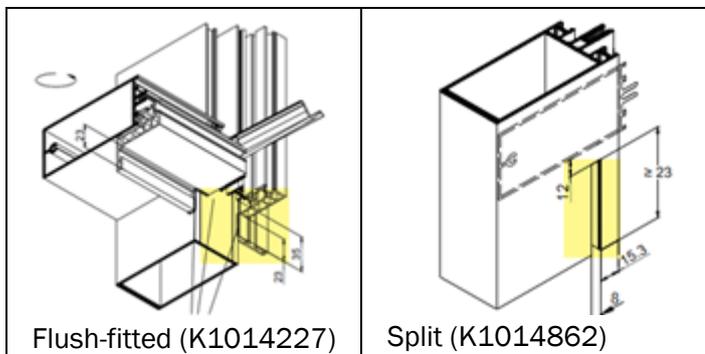
The glazing bridges required for blocking to secure in place in accordance with EN12488 (Art. No. 230401 to 230407) and the corresponding screws are always calculated for façades with a security class. They are optional for façades without a security class. Since version 2023 R3, the *Spacer block* check box for this has been located in the technical settings under the *Glazing* group.



For better differentiation, the property has been renamed *Glazing bridge*. The calculation of your existing items does not change.

**Schüco FWS 50 and Schüco FWS 60:
Attachment to building structure – split foil guide**

As of this version, the new *Attachment to building structure* selection list can be found in the processing settings under the *Other* group. There you can select the *Split foil guide* as an alternative to the standard flat foil guide.

**Security systems (aluminium)****Schüco FireStop ADS 90 FR 90 (Catalogue version 04.2024):
Steel spring clip for fixing the fire boards**

Previous spring clip Art. No. 220363 for fixing the fire boards has been replaced with article 279992.

Please note:

This change affects existing items. The new article numbers are calculated. Please check these items.

III. Steel design type

III.1 Changes to steel systems

For all systems (steel systems)

Windows/doors (steel systems)

Janisol Arte:

Opening types 150 and 151 (window doors) no longer available

As of this version, opening types 150: *SH DIN left window door* and 151: *SH DIN right window door* can no longer be selected for new items. Regrettably, the fittings were not calculated properly for these. For high windows (balcony doors), please select the corresponding opening types for windows (100 and 101, etc.) instead.

Please note:

Existing items from previous versions with the opening types 150 and 151 remain unchanged. You will need to change the opening type to ensure all of the fittings are calculated correctly.

Janisol 2 EI 30:

Edge profiles in the door sill

As of this version, you can enter detailed information about the design of the door sill.

The new *Edge profile* entry is available in the article selection dialog box for the door sill. If you select this, you will be offered further options.

Selection of the profile type (determines the options for the door threshold)

Selection of the reinforcing profiles at the top and bottom

Input field for a user-defined chamber dimension

Under the *Glass / panel / door infill* group, you can change the properties of the automatically selected panel or select a different panel.