

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 2024 R2

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: 01.07.2024

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 | JANIssoft

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 / JANIssoft 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

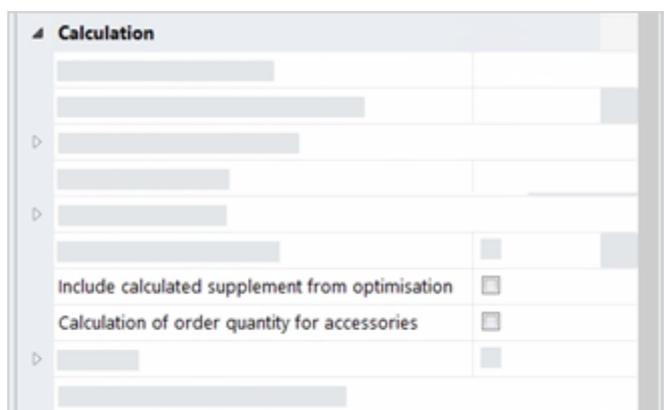
The new features and changes are described in general terms. The availability of the systems, materials and functions is dependent on your configuration level of the program.

I. General program changes (for all design types)

Calculation

Calculation, quantity list:

Amendment/extension of the specifications for the calculation



This version has resulted in the following changes for the calculation:

1. "Include calculated supplement from optimisation" output option is now project-specific

The *Include calculated supplement from optimisation* setting has been moved from the *Output options* dialog box (*General* tab) to the *Project properties list*. This means you can configure this setting for each project. The functionality of the calculation remains the same.

2. New "Calculation of order quantity for accessories" option

As of this version, there is the option to calculate articles with the unit of quantity *PU* using the order quantity instead of the effective quantity. There is a new check box for this in the *Project properties list*.

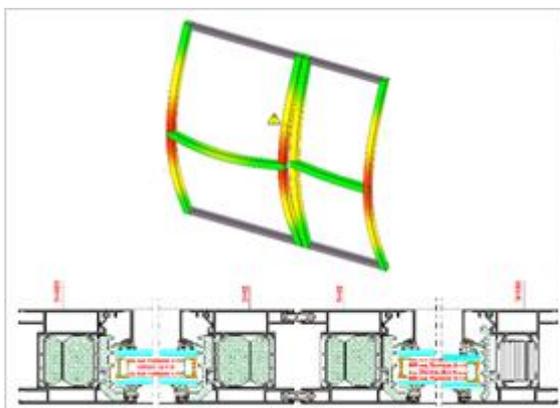
Please note:

- Both check boxes are disabled by default. Please check the setting for this option for existing projects before performing an output.
- For any new projects that you create, the last option set is used.
- For cross-project outputs: The quantity and calculation lists are only generated if both settings are the same for all of the selected projects. You will receive a corresponding notification.

Preliminary structural calculation

Expansion profiles as outer frames

As of this version, the preliminary structural calculation also checks expansion profiles that are being used as vertical or horizontal outer frames.



France country selection:

"Wind" tab – simplified method (DTU 36.5 P3) for windows/doors

As of this version, you can select the *Simplified method (DTU 36.5 P3)* as the *Calculation procedure* under the *Wind* tab in the *Preliminary structural calculation* dialog box. The selection can only be made when the dialog box is called up in an open window or door item.

The simplified method can be used to calculate the wind load up to a building height of 100 m.

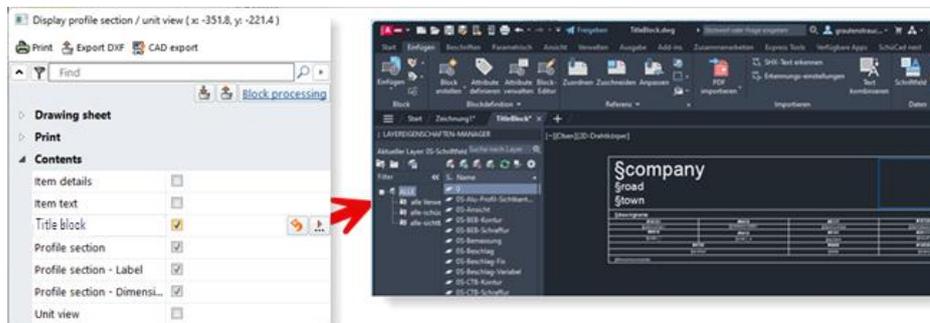
CAD export

Display profile section / unit view:

Modifying the title block

As of this version, you can modify the appearance of the title block in the template file for the title block to suit your needs.

To do this, you will find a new three-dots button next to the *Title block* field under the *Contents* group in the *Display profile section / unit view* dialog box. This button allows you to open the template file in your CAD application. There you can make and save your changes.



When you have made changes to the template, a *Reset* button also appears next to the *Title block* field in the *Display profile section / unit view* dialog box. This allows you to reset the title block to the default setting.

Please note:

Your changes will be applied to all users.

Machine control**Processing mode:****Variables for second cutting angle in formula editor**

In the formula editor of processing mode, the variables *Cutting angle_start* and *Cutting angle_end* were already offered in the previous versions. As of this version, there are additional variables that can be used for a second cutting angle (*Cutting angle_2_start* and *Cutting angle_2_end*).

II. Aluminium design type**II.1 Discontinued systems****Sun shading (aluminium)**

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

System
Schüco AB ZDS in Schüco AWS

II.2 Changes to aluminium systems**For all systems****Calculation****Contacts – coaters:****Defining the Surface finishes powder coating**

As of this version, you can define the properties of the surface finishes stored in the program yourself in the conditions for the system coater and for user-defined coaters. In the conditions under the *Surface finishes Powder coating* group, new input fields are available under each individual surface finish code for you to define yourself.

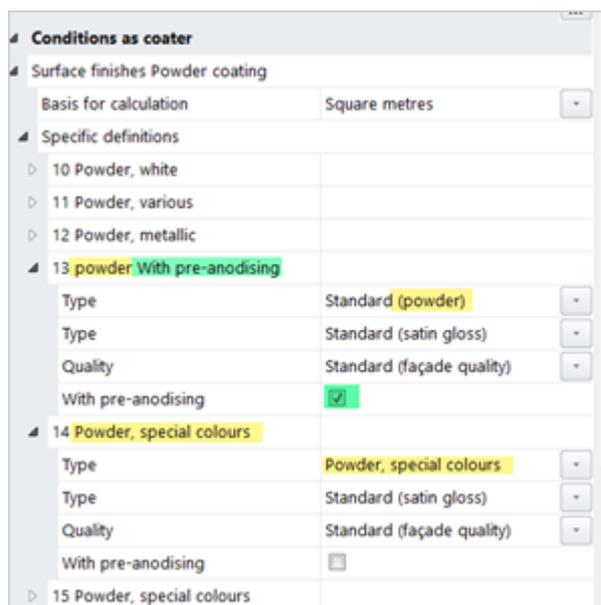
For each code, you can specify the type, execution and quality. You can also define whether pre-anodising is required. The names of the surface finishes result from the combination of your specifications.

Due to these new definition options, the names of the surface finish codes 14-19 specified by the program have changed: Instead of special colour 1, special colour 2, etc., the designation is now always according to the type of *Powder, special colour*. All of the other names of the surface finish codes specified by the program remain unchanged.

If you need a different surface finish name, you can write the text in the field next to the automatically generated designation, as in the previous versions. Your own names that you entered in previous versions for the specified surface finish codes will be retained.

Please note that your changes to the master data in the *Contacts* dialog box can only be transferred to new projects (menu ribbon, *General* tab > *Master data* > *General* > *Contacts*). If your amended surface finish definitions are to apply to a project that has already been created, you need to enter these in the *Project properties list* in the project window (or load them from the master data).

As part of this enhancement, the group designation under the *Anodised surface finishes* and *Steel surface finishes* groups have been renamed for consistency (Other surface finish descriptions > specific definitions). The functionality of these surface finishes remains the same.



Airborne sound reduction

Spectrum adaptation terms "C" and "Ctr"

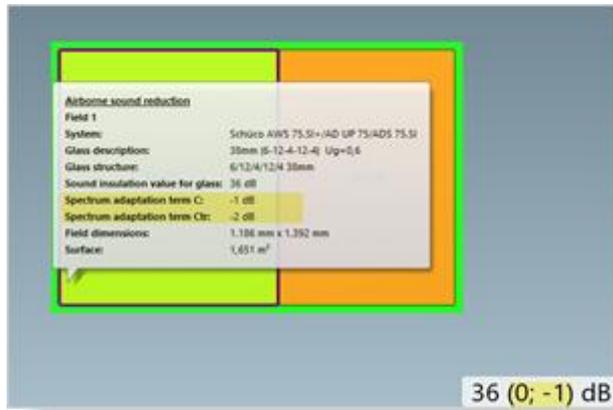
As of this version, the spectrum adaptation terms ("C" and "Ctr") are taken into account in accordance with DIN EN ISO 717-1, provided these values are available for the unit.

In the *Glass / panel* dialog box under the *Additional technical data* group, you will find the new properties *Spectrum adaptation term C* and *Spectrum adaptation term Ctr* for glass and panels. The default entry here is *npd* (no performance determined). To ensure the spectrum adaptation terms are taken into account for the airborne sound reduction of a unit, you must enter the relevant values for all of the infills used.

For ventilation vents, the spectrum adaptation terms for the vent frames are stored in the program.

- Concurrent calculation in the unit window:
When the airborne sound reduction value is displayed, the spectrum adaptation terms "C" and "Ctr" also appear in brackets.

- Quick info in airborne sound reduction mode:
 In addition to the sound reduction value and (if applicable) the calculated correction values, the quick info about the infill also displays the spectrum adaptation terms "C" and "Ctr".

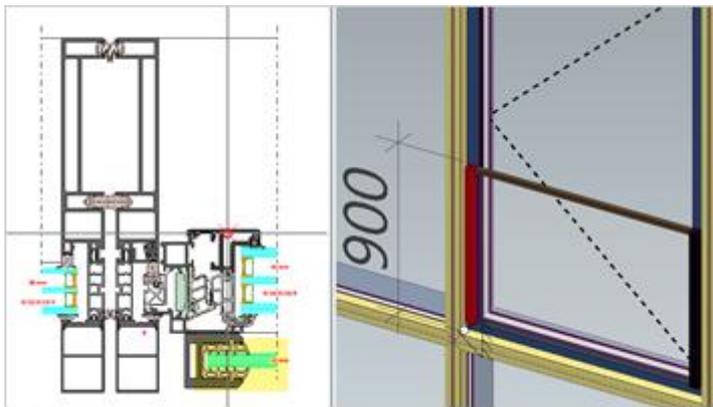


Unit editing

Spandrel safety barrier glazing (French balconies) in the profile section detail

As of this version, the glazing for the spandrel safety barrier is shown in the section detail.

When making the selection, you must choose the profile edges with the spandrel profile for the desired unit section detail.



Windows/doors (aluminium)

Schüco AW RO 50 roof window:

Important - DriveTec (ventilation) type of operation

Automatic pre-population of the drives changed

(As of 2024 R1 SP04)



For the *DriveTec (ventilation)* type of operation, the most powerful drive is now always pre-populated for the *Chain actuator* and *Linear drive* drive types instead of the least powerful one.

For these opening types, the following notes about calculation and safety are now displayed:

- The configuration of the drives is not carried out automatically and must be done manually in accordance with the specifications in the order and fabrication manuals. The vent weight to be taken into account and the force required for this are not calculated automatically.
- Based on the requirements from the Machinery Directive, a risk assessment must be carried out for the required safety class and site conditions.
- For an installation height below 2.5 m, please get in touch with your contact person in our Technical Support team.

Please note:

This change affects existing items. If the automatically pre-populated drive type has been selected in your items, the most powerful drive will now be calculated. Please check these items.

Can only be used in façades with a pitched roof

In accordance with the system default settings, a Schüco AW RO 50 roof window can only be installed with a roof pitch of 2 degrees or more. Therefore, as of this version, roof windows in the Schüco AW RO 50 system can no longer be used as insert units in façades with a pitched roof. Only the unit templates under the *04 - Skylight construction* group are still permitted. Under the *01 - Mullion/transom* group, only the *Sloped modular façade* is still valid.

Please note:

This change affects existing items. If this type of opening has been used in items with corresponding unit templates, it will be removed.

Technical setting - Dimension +/- for glazing beads:

Now also valid for external glazing beads

Previously, an adjustment dimension entered in the technical settings for glazing beads was only taken into account for internal glazing beads. This has been corrected. As of this version, an adjustment dimension that has been entered also applies to external glazing beads (glazing with rebate adapter profiles).

Please note:

This change affects existing items.

"SimplySmart outward-opening" window fitting:**Various changes**

(Schüco AWS 50.NI to Schüco AWS 75.SI+ systems)

The fittings are calculated according to the updated pages of the order manual (1-3.2 SimplySmart).

Revision of the permissible sizes

The tables for the permissible sizes have been revised. The calculation is carried out in accordance with these new specifications.

Side-hung and top-hung RC 2 windows - Change in the minimum dimensions:

Side-hung window: Here the minimum sizes of the vent have changed. For low-rise units, new details have been added.

Top-hung RC 2 window (with hinge): Here the minimum width has changed.

Locking bars now only in aluminium

(As of 2024 R1 SP01 and SP04)

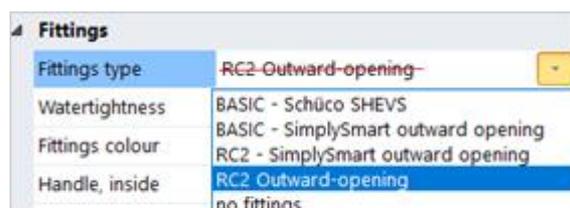
The aluminium locking bar in C0 or C35 is now always calculated for outward-opening windows (in accordance with the technical setting *Colour > Locking bar*). As of this version, the technical setting under the *Fitting > Locking bar* group no longer applies to new items with the SimplySmart outward-opening window fitting (Basic and RC1N).

Please note:

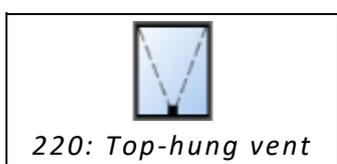
This change affects existing items. In these items, the aluminium locking bar in C0 (Art. No. 106116) is now calculated instead of the plastic locking bars (Art. No. 248788/248789). Please check the setting for the colour of the locking bar there.

The "RC2 outward-opening" fittings type has been removed

As of this version, the *RC2 outward-opening* fittings type can no longer be selected. In the previous versions, it had already been replaced by the *RC2 outward-opening SimplySmart* fittings type option.

**Please note:**

This change affects existing items if this fittings type has been selected. Instead, the available *RC2 outward-opening SimplySmart* fittings type is calculated.

"Outward-opening SimplySmart" window fitting:**Schüco DriveTec for opening type 220: Top-hung vent**

As of this version, you can select the *DriveTec (ventilation)* operating type for this opening type. The other options in the *Field properties* dialog box are adjusted to match the fittings system. You can determine the individual fittings components under the *Fittings* group.

**Schüco AD UP, ADS and ADS HD doors:
Schüco Fingerprint Easy access control - New articles**



The current Fingerprint Easy system, Art. No. 263282, is being replaced with Art. No. 263651 (surface-mounted) and Art. No. 263652 (flush-fitted). The previous system, Art. No. 263282, will only be available for repairs.

As of this version, the new article numbers for the Schüco Fingerprint Easy system will be calculated for new items if an operating type with Fingerprint Easy is selected under the *Openings* group (for AD UP doors, also *Fingerprint Easy* in combination with *SafeGuard* (Note: only for inward opening doors), *Fingerprint Easy* in combination with *Design*).

Under the *Fingerprint Easy* group, the following entries will be offered in the *Installation position* selection list and the corresponding articles will be calculated:

- *Surface-mounted door infill*
- *Flush-fitted door infill*
- *Surface-mounted frame installation*
- *Flush-fitted frame installation*
- *Surface-mounted vent frame*
- *Flush-fitted vent frame*
- *Surface-mounted access vent* (double-leaf doors only)
- *Flush-fitted access vent* (double-leaf doors only)
- *Door handle* (Art. No. 263652)

If you had selected Fingerprint Easy with the installation position *Vent installation* or *Frame installation* for single-leaf doors in existing items, the calculation will remain unchanged. For these items, you will find the corresponding entries have been pre-populated.

- *Vent installation (2016 version)* - Art. No. 263282
- *Frame installation (2016 version)* - Art. No. 263282

Please note:

- *Door handle* installation position: Only select this entry if you are using a handle for the door that is suitable for the installation of Fingerprint Easy.
- Schüco AD UP door systems: For the *Design* and *Fingerprint Easy* operating type, you can now choose from different installation positions (in the previous versions, *Frame installation* was always pre-populated).
- Schüco AD UP door systems: here are no changes for the *Gen2 design* operating type (flush pull grip with integrated Fingerprint Easy, Art. No. 263800).

Schüco AD UP door systems:**Design Edition Gen2 flush pull grip profiles - LED strip default**

For the flush pull grip profiles Art. No. 546600 and Art. No. 564610, previously the *LED strip, cold white* (Art. No. 220266) was pre-populated as standard.

As of this version, the entry *LED strip, custom colour* (Art. No. 270216) is pre-populated for the *Feature door handle* property for new items when selecting the *Gen2 design* operating type under the *Design components* group.

Schüco AWS 75.SI+/AD UP 75/ADS 75.SI:**Schüco AD UP Commercial doors - Barrier-free level thresholds**

(As of 2024 R1 SP01)

If the automatic door seal is selected as the door threshold for doors with the *AD UP Commercial* profile type, you can specify the versions under the *Door threshold* property:

- Barrier-free level threshold, 50 mm installation depth
- Barrier-free level threshold, 80 mm installation depth

Schüco AD UP door systems:**Barrel hinges - Outward-opening - Combination with 3-chamber/5-chamber profiles**

The barrel hinges are calculated in accordance with the specifications in the current K drawings:

- Schüco AD UP 75 Commercial: K1032527
- Schüco AD UP 75 and Schüco AD UP 75 BL: K1020875

Schüco Door Control System (DCS):**Discontinuation of components****Discontinuation of DCS Touch Display**

- The *DCS Touch Display* is no longer available for selection in the field properties dialog box.
- The *DCS Touch Display checklist* button has been removed from the menu ribbon (*General > Extras > Forms*).

Please note:

Instead, existing items are automatically changed to the *Standard* DCS configuration. The Touch Display is no longer calculated.

Discontinuation of DCS door communication

- For the *Standard* DCS configuration, DCS door communication options can no longer be selected in the field properties dialog box. The basic packages for door communication (*Basic package, audio only* and *Basic package, video*) have been removed.

Please note:

For existing items, any previously calculated articles will no longer be generated.

Machine control

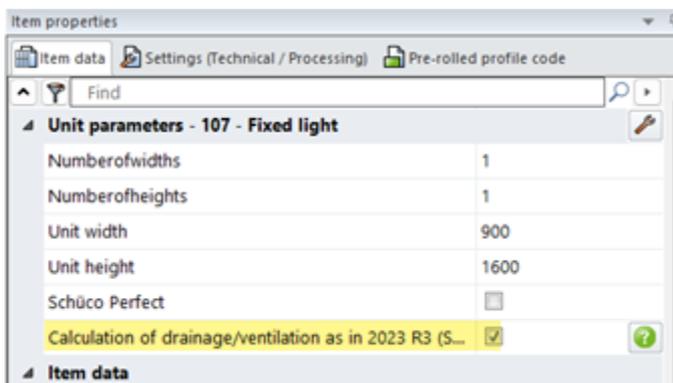
**Schüco AWS 75.SI+/AD UP 75/ADS 75.SI:
Ventilation and drainage - Old/new calculation methodology**

As part of our efforts to continually improve quality, the processes for ventilation and drainage in this system for version 2024 R1 have been fully revised and generated in accordance with the current K drawings. For existing items from the previous versions, this results in deviations compared to the old calculation methodology.

Switch over for old items via a unit parameter (as of 2024 R1 SP03):

To ensure that old items from current projects can still be processed using the old calculation methodology from prior to the 2024 R1 version, service pack 03 switched the calculation for the ventilation and drainage of old items back to the old calculation methodology, even though this differs from the information in the current fabrication manual.

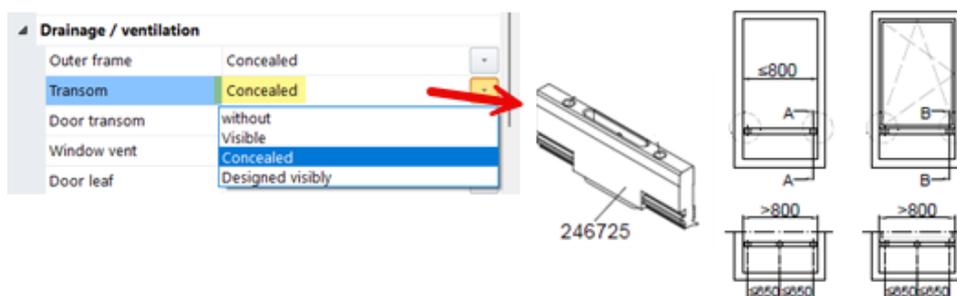
There is also the option to activate the new calculation methodology for these items. For this, you will find the *Calculation of drainage/ventilation as in 2023 R3* unit parameter for the affected items in the *Item data* tab.



For more information, please refer to the program help.

**Schüco AWS 75.SI+/AD UP 75/ADS 75.SI:
AWS window transoms: Ventilation and drainage - Drainage component Art. No. 246725
(As of 2024 R1 SP03)**

In the technical settings, the *Drainage component* option has been removed for *Drainage / ventilation transom*.



Calculation and processing of concealed drainage/ventilation for the AWS window transom follows the rules from drawing K1008625. If a fixed light is located below an AWS window transom and a 6 mm gasket has been selected, drainage seal component Art. No. 246725 is automatically calculated for concealed drainage.

Please note:

Items that have already been entered with the *Drainage component* option for *Drainage/ventilation transom* are automatically set to *Without*. Please check the setting for your items.

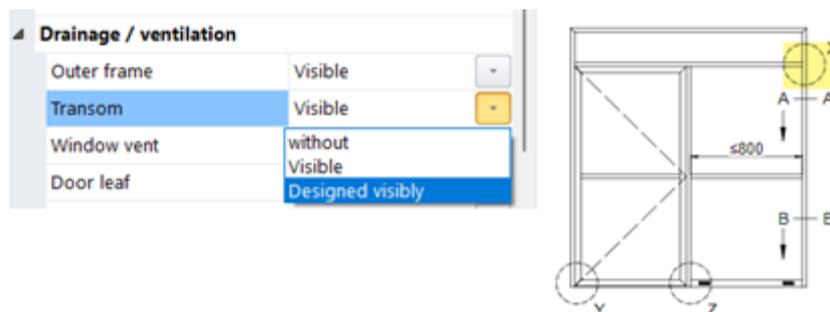
**Schüco AD UP 75, Schüco AD UP 75 BL, Schüco AD UP 90:
Drainage / ventilation " transom"**

Technical setting and processing setting for drainage / ventilation "transom" available again

In the technical settings under the *Drainage / ventilation* group, the selection list for *Transom* has been re-added (*Without, Visible, Designed visibly*).

This stopped being available as of 2023 R3. According to the technical specifications, drainage and ventilation should take place via the T-joint with the laterally adjacent profiles (without processing on the transom). These specifications have changed (K1014208).

For existing items, the default setting *Without* is pre-populated and the calculation remains unchanged.



If you select the setting *Visible*, the processes are generated in accordance with fabrication drawings K1014208 and K18012:

- For profiles with external structural chambers, concealed drainage is calculated when the *Visible* setting is selected.
- If a door is inserted below a transom, no drainage is generated.
- If required, you can influence the number of drainage holes that are generated and the minimum profile length from which they are generated under the processing settings.

Schüco AD UP doors in the Schüco AWS 75.SI+/AD UP 75/ADS 75.SI systems

As of this version, the drainage / ventilation of the transom above an inserted AD UP door is carried out in the same way as for ADS doors and AWS transoms (K1018019).

Please note:

This change affects existing items.

**Schüco AD UP 90:
Automatically generated processes (MCO): notches**

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

Please note:
This change affects existing items.

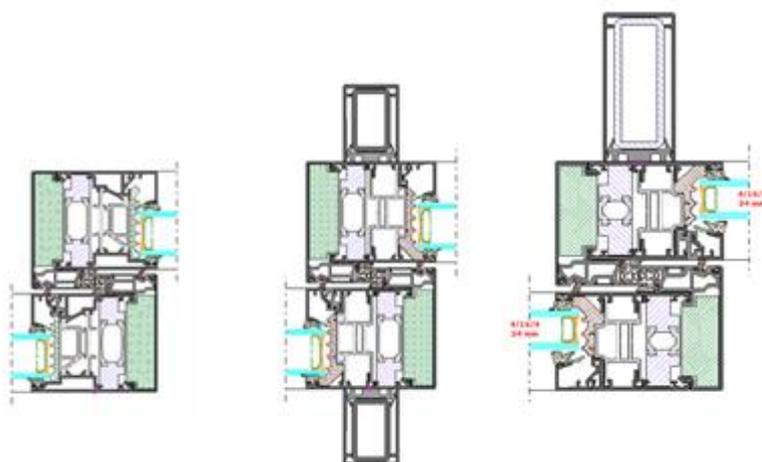
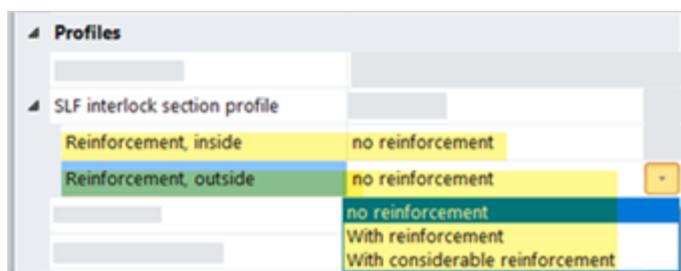
Sliding units (aluminium)

**Schüco ASE 60 and Schüco ASE 80.HI, Schüco ASE 80 LC:
Structural profile on one side for SLF interlock section profile and new "Major reinforcement" version**

Previously, reinforcements always had to be added as surface-mounted structural profiles on the inside and outside. As of this version, there is the alternative option to generate structural reinforcements on the inside or outside SLF interlock section profile only. The combination of cover profile Art. No. 525320 and steel tube Art. No. 277230 has been added as a new reinforcement option (*Major reinforcement*).

The reinforcement options for the SLF interlock section profiles in the *Field properties* dialog box have been expanded for new versions. You can now define reinforcements for inside and outside separately. In general, you can choose between *No reinforcement*, *With reinforcement* and *With major reinforcement*.

Both the minor reinforcement and the major reinforcement can be used on one side. They cannot be mixed (for example, a minor reinforcement on the inside and a major reinforcement on the outside).



Please note:
The settings will be copied over accordingly for existing items from the previous versions (with/without reinforcement on the inside and outside).

If changes are made to the vent or rolling type, the default pre-selections are made as before:

- For vent profiles with double-split insulating bars, reinforcements on both sides are pre-populated by default.
- For vent profiles with fixed insulating bars, no reinforcements are pre-populated.

What's new, however, is that reinforcements on both sides are also pre-populated by default for vent profiles with single-split insulating bars.

Schüco ASE 60/80.HI:

Operating types with TipTronic - Adaptation to the current risk analysis in BK 1-5C

For the suitable opening types in accordance with the order and fabrication documentation, a switch can be made to the operating type *Slide with TipTronic* and *Lift-and-slide with TipTronic* in the *Field properties* dialog box in the ASE 60 and ASE 80.HI systems. To calculate the fitting in the previous versions, you specified the prerequisites in accordance with the risk analysis in order manual 1-5C (November 2018). This risk analysis is no longer up-to-date. The options available for selection have therefore been adapted to the risk analysis in the current order manual 1-5C (April 2024).

For the *Installation position/accessibility*, *Use of building/space* and *Operation* properties, this has resulted in the following changes:

Feature	Old options		New options
Installation position/accessibility	L1: Without protective measures, from risk analysis, order manual 1-5C	=>	without protective measures
	L2: With protective measures, from risk analysis, order manual 1-5C	=>	with protective measures
Use of building/space	N1: from risk analysis	=>	Office space, living space, publicly accessible space
	N2: from risk analysis		
	N3: from risk analysis		
	N4: from risk analysis	=>	Space for vulnerable people
Operation	S0: Manual operation without latching feature with visual inspection (deadman)	=>	Operation without latching feature with visual inspection (deadman)
	S1: Manual operation with latching feature and visual inspection (wall, vent switch)	=>	Operation with latching feature (touch mode, automatic operation, wind and rain sensor, app, central switch)
	S2: Manual or automatic operation without visual inspection (wind and rain sensor, software control, central switch, etc.)		

As in the previous versions, the selections you make result in the required or recommended protective measures. Components that can be optionally calculated are shown to you depending on the currently selected opening type.

Only the *Resistance of 270 ohms - for operation by means of a key or dead man switch* option has been replaced by the *Number of external wall-mounted switches* input field.

Please note:

- For items already entered in previous versions, as a general rule your settings will be adopted and transferred accordingly.
- If the *Resistance of 270 ohms - for operation by means of a key or dead man switch* option has been selected in existing items, an *External wall-mounted switch* will be calculated.
- A change may be made to the calculation of items that have the entry *N1: from risk analysis* selected for *Use of building/space* and/or the entry *S0: Manual operation without latching feature with visual inspection (deadman)* for *Operation*. In these items, sensor strips are now calculated by default. You can deselect them if necessary.

**Schüco ASE 60/80.HI and ASE 80 LC:
RC2 fittings type - change to the glazing**

The overviews of section details for units with the RC 2 fittings type have been updated. The calculation of the glazing beads is carried out in accordance with the amended specifications.

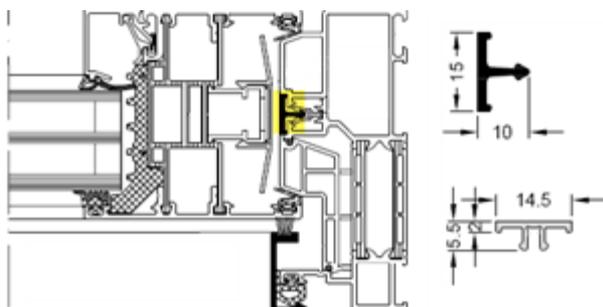
- Moving vents with the rolling type *Vent with single-split insulating bar* and *Vent with fixed insulating bar* no longer have to be bonded.
- Fixed lights and moving vents with the rolling type *Vent with double-split insulating bar* must continue to be bonded.

Please note:

The changes also affect existing items.

**Schüco ASE 60/80.HI and ASE 80 LC:
Technical setting for cover profile on outer frame**

The cover profile on the outer frame can be calculated in aluminium (Art. No. 542000) or plastic (Art. No. 278362).



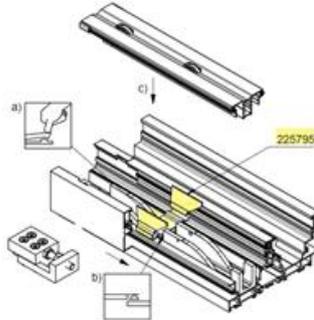
For the Schüco ASE 60/80.HI systems, the property *Cover profile, outer frame, side* already existed in the previous versions for this in the technical settings under the *Type* group.

- This property has been renamed *Cover profile for outer frame*.
- As of this version, this also applies to the Schüco ASE 80 LC system. In this system, the cover profile is used at the side and top.

The calculation of your existing items does not change.

Schüco AS PD 75.HI:**"Performance" product line - installation aid Art. No. 225795**

In accordance with the K drawing, the flush fit of insert profile roller carriage Art. No. 542600 must be configured using adjustment device Art. No. 291695. To do this, installation aid Art. No. 225795 must be used.



The adjustment device was already calculated automatically in the previous versions. As of this version, installation aid Art. No. 225795 is also calculated. However, there is also the option to deselect it. To do this, you can find the new *Assembly clip* property in the *Field properties* dialog box under the *Fittings* group.

Please note: This change affects existing items.

Machine control**Schüco AS FD 75 and Schüco AS FD 90.HI:****RC2 fittings type - automatically generated processes (MCO)**

(As of 2024 R1 SP03)

The processes for the RC2 fittings type are generated.

Schüco AS FD 75 and Schüco AS FD 90.HI:**90 degree corner - automatically generated processes (MCO)**

The processes for the fitting are generated.

Façades (aluminium)**Machine control****Schüco FWS 50.NI:****Automatically generated processes (MCO)**

As of this version, the processes for drainage/ventilation, notches and fixings are generated for the system.

Schüco AWS 114:**Automatically generated processes (MCO): Ventilation and drainage**

(As of 2024 R1 SP04)

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.

Please note:

As part of this revision, the processing settings for this system now only contain options for the *Spacing* and the *Minimum field size* for the processes in the outer frame. All other previous options under the *Drainage/ventilation* group have been removed.

The changes also affect existing items.

Schüco AWS 114:**Automatically generated processes (MCO): notches and fixings**

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

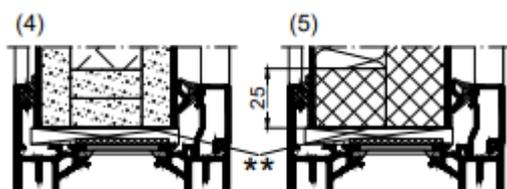
Schüco AWS 114.SI:**Automatically generated processes (MCO): notches and fixings**

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

Security systems (aluminium)**Schüco FireStop ADS 90 FR 30:****New panel templates**

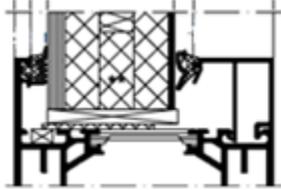
You can select new panel templates in the *Glass and panel* dialog box.

- Two new panel templates according to the types (4) Symmetrical and (5) Asymmetrical in K1029558.
 - *Symmetrical panel, 59 mm - UP 0.658 - F30*
 - *Asymmetrical panel, 59 mm - UP 0.726 - F30*



2. Two panel templates for panels with glass panes on the outside and aluminium or steel sheets on the inside in accordance with order and fabrication manual 3-4 (April 2024) B5-16.

- *Fire-resistant panel with 6 mm toughened safety glass - Promatect H - 2 mm aluminium sheet*
- *Fire-resistant panel with 6 mm toughened safety glass - Promatect H - 1 mm steel sheet*



III. Design type: Steel

III.1 Changes to steel systems

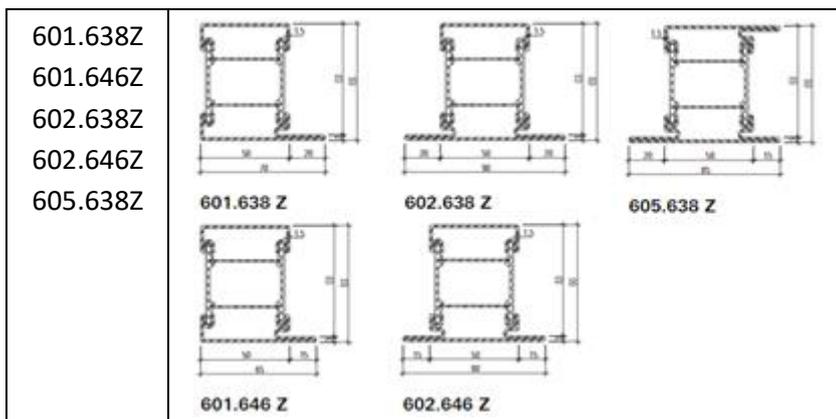
Windows/doors and sliding units (steel systems)

Janisol Arte - basic depth 66 mm:

New profiles

(As of 2024 R1 SP01)

The following new profiles can be selected:



Janisol Arte:

"Design" property removed

Since the 2021 version (opening type 500 since 2022 R2), it has only been possible to select the design type *With push-in gasket* for new items for this system. The selection lists in the item data and in the *Field properties* tab only showed these alternatives. For items that were created in a pre-2021 version (opening type 500 before version 2022 R2), alternative selections were possible, albeit no longer valid (*With aluminium supplementary profile, Self-adhesive rebate gasket*).

As of this version, the *Design* property is no longer displayed. For existing items that had the entry *With push-in gasket* in the previous version, the calculation will not change.

Please note:

For existing items that were created in a pre-2021 version (opening type 500 before version 2022 R2) and still had a different selection, there may be deviations in the calculation.

For the old design type *With aluminium supplementary profile*, there was the property *Aluminium strip for push-in gasket* in the technical settings under the *Colour* group. This has also been removed with this version.

Façades (steel systems)

VISS Fire:

New - fire resistance class EI60

The *Modular façade* and *Modular façade, polygon* templates can be used in the VISS Fire façade system to create VISS Fire units in fire resistance class EI60.

To do this, select the following unit parameters in the *Item data* tab:

- *Face width*: 50 mm or 60 mm
- *Thermal insulation*: TVS
- *Design, interior*: Standard or Linea
- *Fire resistance class*: EI60

The glass/panel can be used from a total thickness of 36 mm to 70 mm.

VISS 50/60 systems:

Roof glazing - roof windows only as insert units

In the previous versions, the use of windows and doors as insert units was generally possible in sloped units. This deviated from the system defaults. As of this version, only openings from the Schüco AW RO 50 and Schüco AWS 57 RO aluminium systems can be used in units with a roof pitch (only available for configuration levels with the materials aluminium and steel).

Please note:

This change does not affect existing items.

Insert units that have already been entered remain inserted despite the system default.