

Software-Upgrade

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

A new program version is now available for download:

SCHÜCAL | JANISOFT 2023 R3

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: 08.01.2024

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**.

ALUKÖNIGSTAHL
SOFTWARE SERVICE

T: +43 1 98 130 263

E: softwareservice@alukoenigstahl.com

W: www.alukoenigstahl.com

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)

Administration

Performance improvement

Some changes have been made to improve program performance with large amounts of data.

Please note:

Due to this, the first program start may take longer with large amounts of data after installing this service pack. In this case, please be patient and do not cancel the starting process.

Projects and items

Project glass and project panel:

Changes when loading glass and panels

All glass and panels specifically used in a project are clearly labelled with short descriptions. The short descriptions are generally pre-assigned by the program as soon as a glass or panel is used in a project. The short descriptions can be changed, if required.



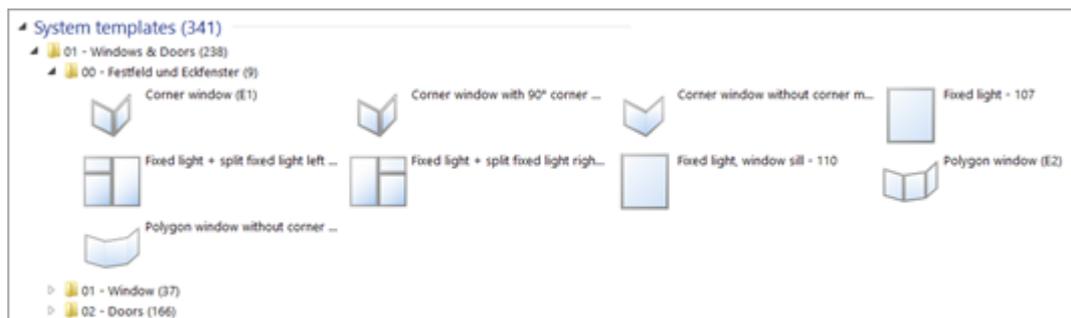
Using the *Load* function, you can change the data for the project glass currently being edited. You can load the data for a glass from the master data or the data for a project glass already in use. Please note the following changes to this function:

- In previous versions, the short description for the loaded glass was also transferred when you went to *Load* a project glass already in use. This made it possible to replace a project glass with another project glass.
- As of this version, the short description will no longer be included when a project glass is loaded. Only the data will be loaded into the existing project glass. Replacing project glass is therefore no longer possible in this way.
- As of this version, to replace an existing project glass with another available project glass, use the new action button *Replace project glass with*. This new method only allows you to select from the existing project glasses. When a selected project glass is transferred, all the data will be included, along with the short description. It is not possible to edit this data in the *Glass and panel* dialog box.

These changes also apply to the loading of project panels, in the same way described above for project glass.

**Select template dialog box:
Selecting the system templates for fixed glazing**

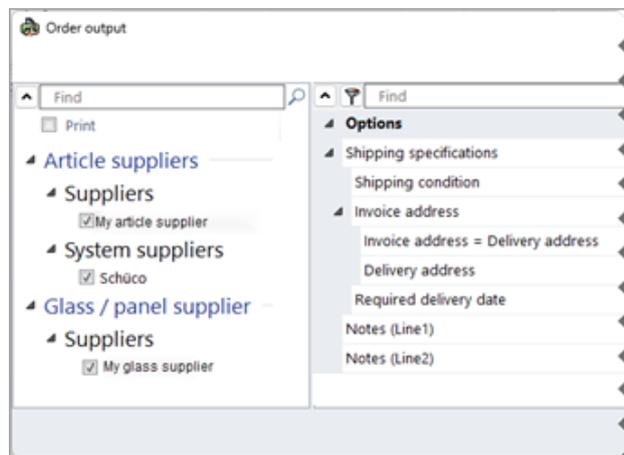
In the *Select template* dialog box, all system templates for units with fixed glazing are now provided in a single folder *Fixed light and corner window* at the start of the folder structure. These templates were previously distributed across the folders for the templates for windows and doors.



Outputting lists

Ordering from own suppliers

If, for certain items, you have entered articles assigned to a contact of your own, an additional dialog box will appear before the order is output. In this dialog box, select which order lists you want to output. This will generate separate order lists for the articles, one for each supplier.



The general details for these orders can be entered into the master data in the *Contacts* dialog box for each supplier. This will also allow you to configure the document template for the order list. (In the `..\ProgramData\...\System\Data\Templates` folder, you will find three List&Label templates for your own glass suppliers (*GlasTemplate.lst*, *GlasTypeTemplate.lst*, *GlasTypeRegisterTemplate.lst*) and one for your own article suppliers (*ArticleTemplate.lst*).

Preliminary structural calculation

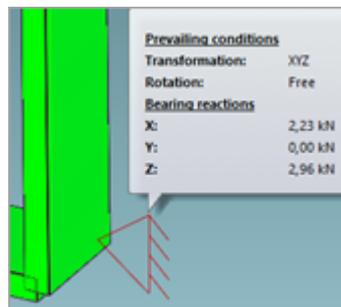
All countries:

Alternative calculation "Global FEM"

Mullion/transom, modular façades (not Schüco FWS 60 CV)

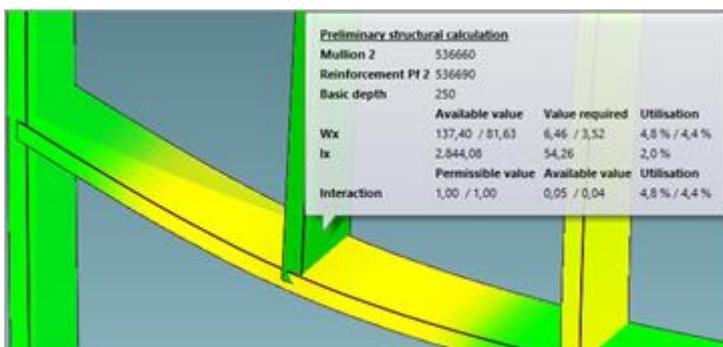
Windows/doors: 2D outline templates (no curved units, no 3D units)

As of this version, the structural preliminary calculation for the profiles can alternatively be calculated on the basis of a new physical/mathematical calculation kernel. This uses the global finite element method (global FEM). In this calculation, the entire unit is considered as a three-dimensional structure of bars.

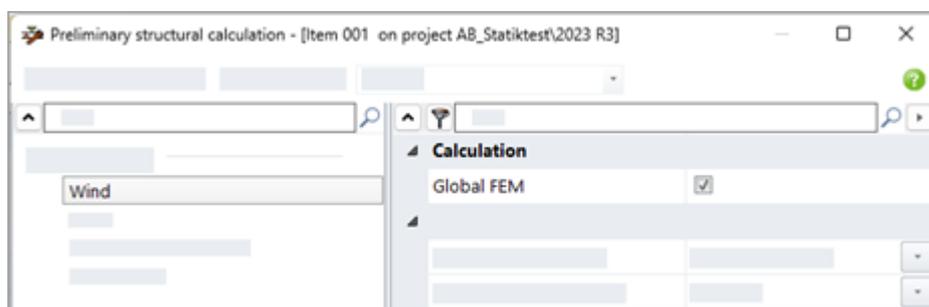


The result of the preliminary structural calculation includes extended calculations. For example, forces in the longitudinal axes (vertical loads) of the mullions are thus calculated. In the structural analysis mode, the individual bearing conditions and bearing reactions for the façade fixings can be viewed as tool tips.

The situations in the door-head transom area are also considered.



When calling the *Structural preliminary calculation* dialog box in the *item window*, you will find the *Global FEM* check box in the *Wind* property list under the *Calculation* group. This setting is only visible for items for which this alternative calculation method can be used.

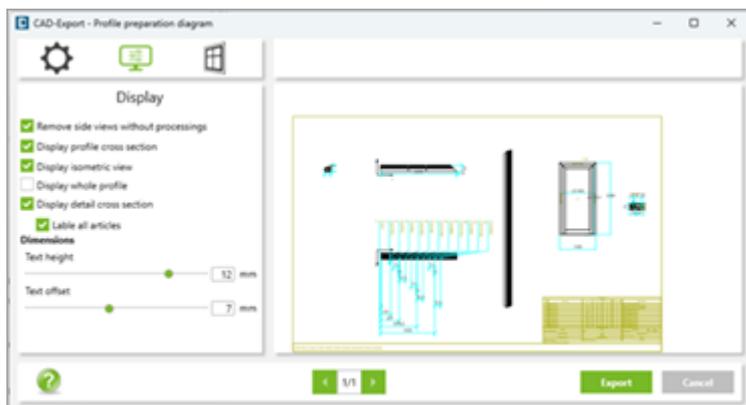


- If you do not check the check box, the calculation will be performed according to the previous method (calculations as "bar statics").
- If you do check the check box, the calculation will be performed according to the new method.

CAD export

CAD export, profile preparation diagram: New dialog box with drawing preview

As of this version, the new *CAD export - Profile preparation diagrams* dialog box opens when exporting profile preparation diagrams. In this dialog box, you will be able to see what the exported drawing will look like before the export begins.



From the tabs of dialog box, you can decide what to export and how the export will displayed. In the preview area, any changes that you make to the settings are displayed simultaneously.

Individual drawing elements can be dragged and dropped, as required.

If you have selected multiple profiles for export, simply flick back and forth between the drawings.

Machine control

Edit mode:

Transfer to adjoining profile - Improved manipulation

Edits can be transferred to adjoining profiles. To do this, you can check the *Transfer to adjoining profile* check box for edits.

In the previous versions, you had to set the depth offset value so that the insertion point lies on the adjoining profile. The coordinates, the side and the corner of the original profile were always taken into account.

As of this version, you can, alternatively, also specify that the selection for the sides and corners of the edit are to be adopted by the target profile and that the position for the X and Y coordinates is to be calculated on the basis of the node of the target profile.

To do this, you will find a further *Target profile* drop-down list when you select *Transfer to adjoining profile*. In this drop-down list, you can select between *Automatic* or between the adjoining profiles. If you select *Automatic*, the function will behave in the same way as previous versions.

II. Aluminium design type

II.1 Changes to aluminium systems

Calculation

Contacts:

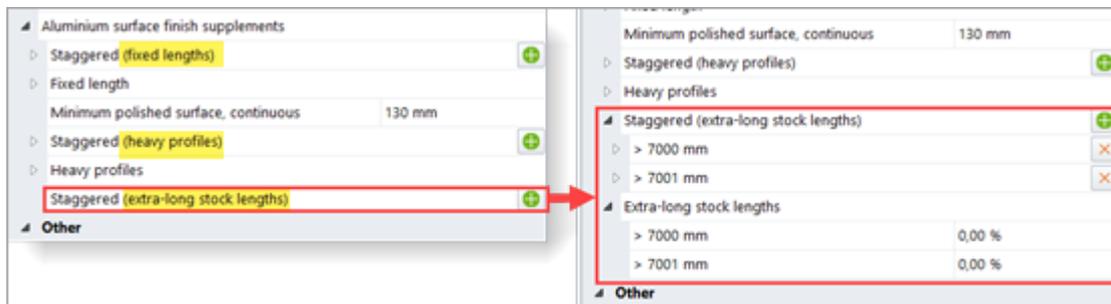
New - Surcharges for coatings of extra-long stock lengths

In the previous versions, it was previously only possible to enter surcharges for fixed lengths that are determined on the basis of their specifications in the optimisation settings (fixed lengths that have been calculated through the *Optimum order length of the profiles* or *Manipulate optimisation* option).

As of this version, surcharges that may be incurred for the coating of extra-long profiles can also be entered in the conditions for the system coater and for your own coaters. In the conditions, new input fields are available for *staggered (extra-long stock lengths)* under the *Aluminium surface finish surcharges* group. There are no default preset values.

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 the new surcharges 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.

As part of this update, the texts for the staggered for fixed lengths and heavy profiles have been changed to improve clarity. The functionality remains the same.



Outputting lists

Issuing of C2C for various other systems (Cradle to Cradle)



C2C can now also be issued for items in the following systems if the prerequisites are met.

System	C2C up to Silver	C2C up to Bronze
Schüco AWS 65 BS	X	
Schüco AWS 70 BS.HI	X	
Schüco AWS 90 AC.SI	X	
Schüco ASE 60		X
Schüco ASE 80.HI		X
Schüco AS PD 75.HI		X
Schüco AS FD 75		X
Schüco AS FD 90.HI		X
Schüco AW RO 50	X	
System	C2C up to Silver	C2C up to Bronze
Schüco AF UDC 80	Thermal insulation: Standard	Thermal insulation: HI, SI and SI +XPS Type: CV
Schüco AF UDC 80 SG		X
Schüco AOC	X	
Schüco ADS 80 FR30	X	

Information about the further systems that are supported can be found in the program: menu ribbon, *General* tab > *Help* > *Profile systems* > *C2C* column.

Airborne sound reduction

Airborne sound reduction value of Schüco AWS 120 CC.SI

As of this version, the airborne sound reduction value be calculated for the following units of the Schüco AWS 120 CC.SI system.

- Composite window, side-hung / turn/tilt / tilt-before-turn (inward-opening, standard type)
- Fixed light with inspection vent D

The sound reduction value for the front pane must be at least 32 dB. Default values for the sound reduction value have been entered for the *6 mm glass* and *10 mm glass* glass templates stored in the program.

If values cannot be calculated for openings, you will receive notifications to this effect.

Airborne sound reduction for windows/doors:

Extension profiles

As of this version, extension profiles are also taken into account when calculating the airborne sound reduction for windows/doors.

Windows/doors (aluminium)

Schüco AvanTec SimplySmart and Schüco surface-mounted SimplySmart window fitting: Update to generation of locking bars

(As of 2023 R2 SP03/SP04)

The generation of locking bars has been changed to match the current K drawing version.

Please note:

This change affects existing items.

Schüco AvanTec SimplySmart and Schüco surface-mounted SimplySmart window fitting: FSB push-in window handles

The seven new handle models just added to the range - four of which include lockable versions - can be selected for inward-opening windows with a face-fitted vent.

Art. No. 269801 - 269836 & 269838

Art. No. 269843 - 269854

Art. No. 269856 - 269874

Schüco AWS 70.HI and Schüco AWS 75.SI+: Crack-operated turn/tilt fitting system discontinued

The crack-operated turn/tilt fitting (KDK) is being removed from the range for the aforementioned systems. Therefore, the *Crack-operated turn/tilt gearbox handle* can no longer be selected for turn/tilt and side-hung opening types.

Any items that you have already entered remain unchanged.

Schüco TipTronic SimplySmart SHEVS bottom-hung windows: Selecting the fitting version - Text changes

The texts for selecting and generating the fitting version have been changed. The mention of the fitting type has been removed; instead, the fitting version is specified. The opening width is now also mentioned.

Example:

Old text	New text
Type 1, version 1, 400 SK2	Version 1a, SHEVS opening width 400, SK2

Schüco AWS window systems:**Range update, centre gasket**

The new article numbers for the centre gasket are generated in the program. The change will also affect article numbers for the corner pieces and the gasket frames. Various window systems in the basic depths of 65, 70 and 90 mm (also block systems and windows façades) are affected. Details on exceptions (for example, ventilation vents) can be found in the updated fabrication documents.

Basic depth	Old	New
65 mm	246052	245752
70 mm	246055 278723	245755
90 mm	284580	278735

Please note:

This change affects existing items.

Windows and fixed lights across all systems:**Resistance class RC 2 - glazing rebate fixings, gasket cord for burglar-resistant glazing beads**

Following the range update to the glazing rebate fixings, the generation of the article numbers and quantities for the glazing rebate fixings and the screws is changing for windows and fixing lights (Technical settings > *Glazing* > *RC 2/RC 2N glazing* > *Glazing rebate fixing*). If you use glazing rebate fixings, the glass used must be rated to burglar resistance class P4A for windows and fixed glazing in order to achieve resistance class RC 2.

The length calculation for gasket cord Art. No. 244058 has also been changed for burglar-resistant glazing beads (K1031539).

Please note:

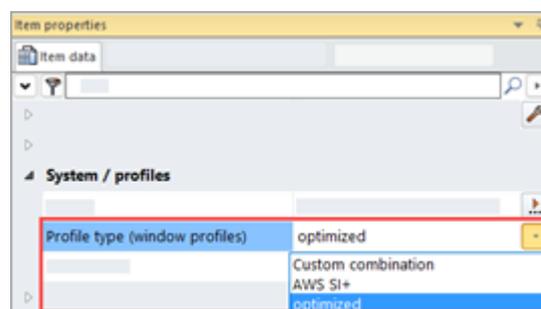
This change affects existing items.

Schüco AWS 75.SI+ and Schüco AWS 90.SI+ in the "optimized" system version:**Changes**

The following changes affect units in the "optimized" system version:

Easier to enter profile filters

As of this version, units in the "optimized" system version can be entered more easily. In the *Item data* tab, you will find the new *Profile type (window profiles)* selection under *System / profiles* group. Here you can choose between *Custom combination*, *AWS SI+* or *optimized*.



If you select *Custom combination*, all the profiles will be available for selection in the drop-down lists. This is the default setting. Existing items remain unchanged.

If you select *AWS SI+*, no profiles with the *optimized* contour will be shown in the drop-down lists.

If you select *optimized*, only profiles with the *optimized* contour will be shown in the drop-down lists.

The filter applies both to the selection of frame profiles in the *Item data* tab and to the selection of vent profiles in the *Field properties* dialog box.

Please note:

The selection will only filter the drop-down lists. Changes will not automatically apply to the profiles already in use.

Resistance class RC 2 - Glazing

The glazing for openings rated to resistance class RC 2 is to adhere to the new glazing table for the glazing rebate gasket Art. No. 284333 used exclusively in the "optimized" system version.

Please note:

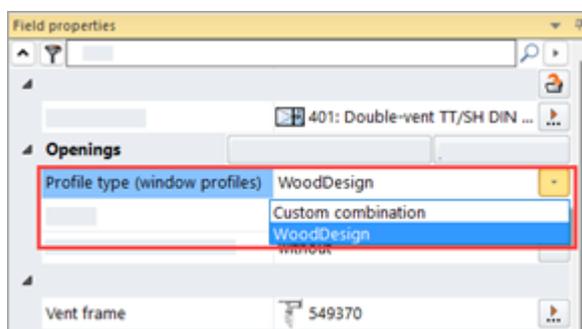
This change affects existing items.

**Schüco AWS 75 BS.HI+, Schüco AWS 75 BS.SI+, Schüco AWS 90 BS.SI+:
Aluminium/timber windows (AWS WoodDesign) - Changes**

The following changes affect openings with aluminium/timber window profiles:

Easier to enter profile filters

As of this version, it is easier to enter aluminium/timber windows. In the *Field properties* dialog box, you will find the new selection *Profile type (window profiles)* under the *Openings* group. Here you can choose between *Custom combination* or *WoodDesign*.



If you select *Custom combination*, all the profiles will be available for selection in the drop-down lists. This is the default setting. Existing items remain unchanged.

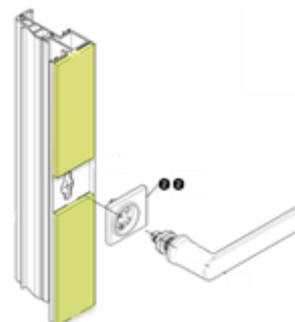
If you select *WoodDesign*, only vent profiles with the *WoodDesign* contour will be shown in the drop-down lists.

Please note:

The selection will only filter the drop-down lists. Changes will not automatically apply to the profiles already in use.

Timber strip for rectangular rosette cut in two

As of this version, when a rectangular rosette is used, the handle-side timber strip is generated in two parts. This separation is not shown in the unit view. The timber strips are cut in accordance with K1028988. The tolerances (+/- 0.2 mm) indicated in the drawing are not taken into account. Please check the cutting lengths for precise handle positioning.



Please note:

This change affects existing items.

**Schüco AD UP doors:
Design door handle upgrades**

(As of 2023 R2 SP04)

The following upgrades have been made to Design door handles for doors.

Pull grip profiles in Schüco AD UP 75

(Schüco AD UP 75, Schüco AD UP 75 BL, Schüco AWS 75.SI+/AD UP 75/ADS 75.SI)

For single-leaf doors, the pull grips can now be entered in accordance with the current order and fabrication documents.

To this end, the operating types *Design*, *Design and comfort* and *Design and Fingerprint Easy* are available for selection in the *Field properties* dialog box.

Pull grip profiles with integrated Fingerprint Easy

(Schüco AD UP 75, Schüco AD UP 75 BL, Schüco AWS 75.SI+/AD UP 75/ADS 75.SI, Schüco AD UP 90)

In the aforementioned systems, it is additionally now also possible to select the new operating type for the *Design with integrated Fingerprint* pull grip profile.

The pull grip profiles Art. No. 546600 and Art. No. 564610 are thus generated for the Fingerprint Art. No. 263800 integrated into the pull grip.

Selecting the type of panel fabrication

As of this version, for the operating types with a pull grip, the additional property *Panel fabrication* is now displayed under the *Design components* group. If, alternatively, the door infill can be fabricated by the customer with the used pull grip, you can select this option from the drop-down list. If this alternative is not available, only the information on panel fabrication is displayed (*panel from the panel supplier*).

Please note:

The type of panel fabrication will determine how the articles for the used panel are calculated and ordered.

- If you select *Panels to be fabricated by the customer*, the articles required for panel fabrication are indicated in the lists, calculated and output in the order.
- If you select *Panels from the panel supplier*, the articles required for panel fabrication are not indicated in the lists and are not calculated; they are only output in the order to the panel supplier.

Drawings for panel fabrication

As of this version, the pull grip is also shown in the drawings in the *Glazing/panel plan* and in the *Glazing/panel composition*. If you check the *Drawing for custom panes / stepped insulating glass* option, the pull grip is also shown in the *Material list*.

Your settings for outputting the double-sided leaf-enclosing door infill will determine whether the infill dimensions (similar to stepped insulating glass) or the sheet cuts (inner and outer infill separate) are shown. (*Output tab > Settings group > Output options button > Lists > General > Glass/panel drawings*).

Schüco AD UP doors:

New rebate gasket Art. No. 224683

A new rebate gasket Art. No. 224683 has been added to the range. The previous rebate gasket Art. No. 278156 can be generated as an alternative to the new rebate gasket.

In the technical settings, you will find the new property *AD UP door rebate gasket* under the *Gasket* group. Here you can choose between *Standard* (Art. No. 224683) and *alternatively* (Art. No. 278156). The default setting is *Standard*.

Please note:

This change affects existing items. The new rebate gasket is now generated instead of the previous rebate gasket.

Please also note the following for the generation of gasket corners:

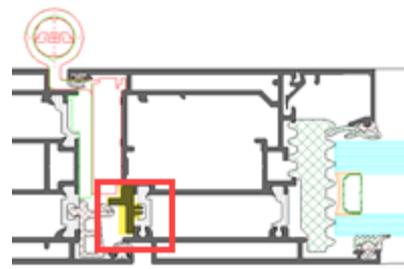
As of this version, for doors in the Schüco AD UP systems, you can decide whether or not you want to generate gasket corners under the new technical setting *Moulded corner for AD UP door rebate gasket*. In previous versions, this was specified through the *Rebate gasket* setting.

For doors in the Schüco AD UP 75 BL system, the setting for the *Moulded corner for rebate gasket* property remains the same as in previous versions.

**Schüco AD UP doors:
Rebate profile for centre gasket**

New polyamide articles have been added to the range (Art. No. 270813 (basic depth 75 mm) and Art. No. 270814 (basic depth 90 mm)).

You will find the new property *Rebate profile for centre gasket* in the technical settings under the *Type* group. Here you can choose between *Polyamide* and *EPDM*. The default setting is polyamide.



Please note:

This change affects existing items. The polyamide article is now generated instead of the previous EPDM article.

Note: Advance notice - this variant of the stop profile will only be available with the next catalogue update

**Schüco AD UP doors:
Extension profiles with face widths 34 mm, 44 mm and 54 mm**

For units in the Schüco AD UP systems, the following articles can now be selected as extension profiles:

Basic depth 75 mm: Basic depth 90 mm:

- Art. 382080 Art. 441010
- Art. 382090 Art. 441020
- Art. 382100 Art. 441030

**Schüco AD UP 75:
Barrier-free level threshold now also for double-leaf doors (outward-opening)**

As of this version, the barrier-free level threshold can now also be selected for double-leaf doors with a continuous leaf and automatic door seal (resistance classes Standard, RC 2N and RC 2).

If the automatic door seal is selected, the selection for the variants can be found in the *Field properties* dialog box under the *Door threshold* property.

**Schüco AD UP door fitting:
Latch strikers - Range upgrade, large PU (x100)**

The following articles are also available in large PUs (x100) as an alternative to the previous small PUs (x10):

Basic depth	Small PU	New: Large PU
75 mm	279464	279930
90 mm	240566	279929
90 mm	279465	279931

Machine control

Schüco AD UP 75 BL:

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 will be 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 AD UP 75 and Schüco AD UP 75 BL:

New technical setting for "window vent" drainage/ventilation

In the technical settings, the settings for *Window vent* have been expanded (*Drainage/ventilation* group). As a result, it is now possible to deselect the processes for drainage and ventilation in sidelights, if required.

Schüco AD UP systems:

Technical setting for "transom" and "door transom" drainage/ventilation removed

In the technical settings, the drop-down lists for *Transom* and *Door transom* under the *Drainage/ventilation* group have been removed.

These processing options were inconsistent with the system specifications. According to the technical specifications, drainage and ventilation are provided through the T-joint with the laterally adjacent profiles. Additional processes are not necessary.

Please note:

This change affects existing items if you had previously selected any of the options in question.

Sliding units

Schüco ASS 39 PD.NI:

New locking point with turn knob, new structural profiles

(As of 2023 R2 SP02)

The turn knob (258355, 270046, 270047) can now be selected as an additional alternative to the current locking point. This turn knob can be used on movable vents that do not run on the outside. This new locking point can only be used in conjunction with the new structural profiles 550910 and 550920. To this end, a new entry option has been added in the Field properties dialog box:

With the *SLF interlock section profile*, you can select the new entry *Structural profile on inside, small, for turn knob* in the *Reinforcement* drop-down list. The new structural profiles will then be used; for the handle, you can select the article number you would like for the turn knob.

As part of this new version, the processes for these new articles are now also generated automatically.

Schüco ASS 50 and Schüco ASS 50.NI: Generation of roller carriages corrected

Discontinued roller carriages were automatically generated for units. This has been changed.

- For the 300 kg fitting, Art. No. 276736 is now generated.
- For the 150 kg fitting, Art. No. 276735 is now generated.

Schüco ASS 50, Schüco ASE 60/80.HI and ASE 80 LC: Closing assistance - Handle damper and tension spring

(As of 2023 R2 SP05)

In accordance with the amended technical specifications, handle damper Art. No. 281214 is now always generated for lift-and-slide versions. From now on, it cannot be deselected in the program.

In the *Field properties* dialog box, the only selections now available for the *Closing assistance* are *With handle damper* and *With handle damper and tension spring*. The previous options *With tension spring* and *Without handle damper and tension spring* are no longer available.

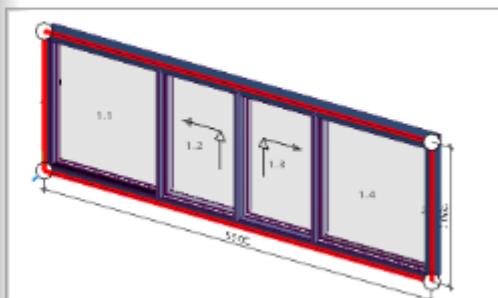
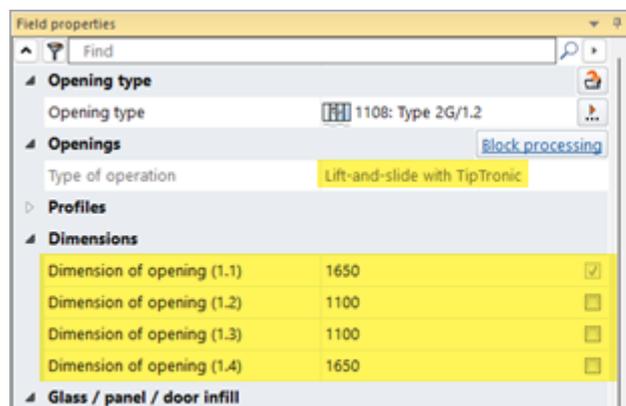
For vent weights from 100 kg to 350 kg, the *With handle damper and tension spring* option is automatically generated; for smaller and larger vent weights, the *With handle damper* is automatically generated.

Please note:

This change affects existing items.

Schüco AS PD 75.HI: TipTronic operating type - Asymmetric vent subdivision

Asymmetric vent subdivisions can now also be implemented for units with the TipTronic operating type.



Schüco AS PD 75.HI: Brush seal now only in black

As of this version, the brush seal is always generated in black (Art. No. 203540). The alternative option for the grey seal (Art. No. 224497) has been removed from the technical settings.

Please note:

This change affects existing items. If you had selected the grey seal in the technical settings, the black seal will now be generated.

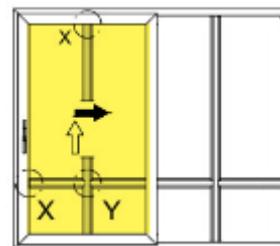
Schüco ASE 60, Schüco ASE 80.HI:

New vent sash bars

Since 2022 R3 SP01, we have advised that sash bars should only be used under certain conditions. This limitation has now been resolved, as follows:

As of this version, the following new vent sash bar articles are available for selection.

- Art. No. 552290 (ASE 60)
- Art. No. 552300 (ASE 80.HI)



The previous sash bar profiles are no longer available for selection for movable and fixed vents.

Please note:

This change affects existing items. The sash bars previously used in vents will be automatically changed to the new sash bars. This may also result in changes to glass dimensions if sash bars with a 92 mm face width were previously in use.

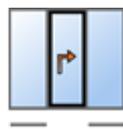
The change does not apply to fixed lights of the single-track type. In this case, the previous sash bars can still be used.

Note: Advance notice - these new sash bars will only be available with the next catalogue update.

Schüco ASE 60, Schüco ASE 80.HI:

Types 1C and 2C (lift-and-slide) with level threshold not able to be combined with a resistance class

In the previous versions, the aforementioned types with a level threshold and the *Lift-and-slide* operating type could be combined with a fittings type with a resistance class. As of this version, this combination is no longer allowed. Only the *Standard* fittings type can still be selected for this combination.



1C.B



1C.B.2



2C



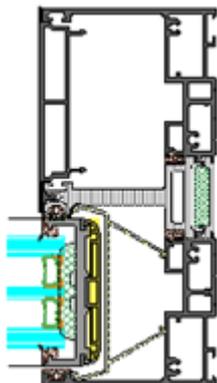
2C.2

Please note:

This change affects existing items. If a fittings type with a resistance class had previously been selected, it will be automatically reset to the *Standard* fittings type.

Schüco ASS 77 PD.HI:**Entry profile changed**

As of this version, in accordance with the amended order and fabrication documents, the new entry profile Art. No. 284627 will be generated instead of Art. No. 284818. This change affects your existing items.

**Please note:**

The change does not apply to units in the Schüco ASS 77 PD.HI manual system. The entry profile Art. No. 284818 will continue to be generated for these units.

Schüco AS FD 75:**90 mm face width - Glass thicknesses of 39 mm and 40 mm**

In this folding sliding system, with a face width of 90 mm, it is now also possible to use glass thicknesses of 39 mm and 40 mm.

Schüco AS FD 75 and AS FD 90.HI:**Glazing options for RC 2 and PAS 24 vent profiles**

(As of 2023 R2 SP05)

For types (inward-opening) that correspond to the specifications in the fabrication documents, the RC 2 or PAS 24 fittings type can be selected. The glazing tables have been changed for this fitting.

The maximum possible glass thickness has been limited, and the 4 mm push-in glass gasket and (to some extent) the 5 mm push-in glass gasket are no longer used.

Please note:

This change affects existing items if they contain a glass of a thickness that is no longer allowed.

Schüco AS FD 75 and AS FD 90.HI:**Maximum unit width instead of a limit on the number of folding vents**

Previously, when a custom vent combination was entered, the maximum number of folding vents was limited to 9 per side. This limit has been removed. Instead, as of this version, the maximum unit width of 9000 mm is automatically checked. You will receive a notification if this dimension is exceeded.

**Schüco ASS 70 FD and Schüco ASS 80 FD.HI:
Technical settings for roller carriages removed**

Under the *Fitting* group, there were settings for alternative generation of roller carriages. These settings were only valid for existing items from older versions before 2020 R2. Alternative plastic rollers are no longer available for the systems. Now, stainless steel rollers are always generated, even for the old items. The properties *Schüco ASS FD roller carriage* and *Roller carriage/roller carriage hinge* have been removed.

**Across all systems:
Resistance class RC 2 - Gasket cord for burglar-resistant glazing beads**

The length calculation for gasket cord Art. No. 244058 has been changed for the burglar-resistant glazing beads (K1031539).

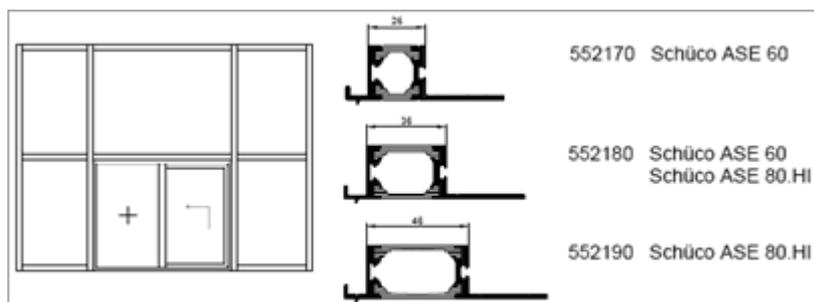
Please note:
This change affects existing items.

Façades (aluminium)

**Schüco FWS 50/60:
Schüco ASE 60/80.HI sliding units as insert unit**

Single-track and double-track versions of the Schüco ASE 60 and Schüco ASE 80.HI systems can be used in façade unit fields for the Schüco FWS 50 and Schüco FWS 60 systems in combination with adapter profiles (Art. No. 552 170, Art. No. 552 180, Art. No. 552 190). The *Sliding* and *Lift-and-slide* operating types (not TipTronic) can be selected. A combination with a spandrel safety barrier or a flyscreen is not possible for these insert units.

The unit parameters *Type* and *Level threshold* can be specified for the insert units in the *Field properties* dialog box.



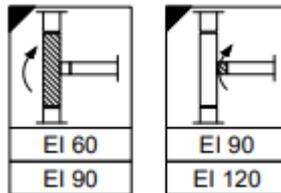
Schüco FWS 50/60:**Schüco Deflame**

(As of 2023 R2 SP03)

In modular façades with *Standard* thermal insulation, the fully integrated fire-rated solution Schüco Deflame can be used in suitable fields. Details of the minimum and maximum dimensions and the required basic depths of the profiles can be found in the FWS Deflame order and fabrication manual.



8: Deflame



- In the *Field properties* dialog box, you can specify the classification stages for the *Spandrel panel* and the *Cavity*.
- In the spandrel area, mullion joints are automatically generated. The position of the profile joint node can be changed using the *Spandrel height* entry field.
- The opaque outer side of the panel is preset as an automatically generated *Glass/panel* and displayed in section. The total thickness and the material can be changed, if required.
- The pressure plates in the mullions are automatically changed for the stainless steel pressure plates.
- The Deflame materials for the infill (panels, attachment materials), the required adhesive and the sealants are generated but are not shown in section.
- The further material required for fabrication (sheet metal, insulation, etc.) must be added to the field as additional material.

Schüco FWS 50/60:**SI thermal insulation - Flat cover cap**

As of this version, for units with SI thermal insulation, you can select the *Flat cover cap* entry for the *Design, exterior* unit parameter.

Schüco FWS 50/60:**Field ventilation not permitted with resistance classes RC 3/4 and FB 3/4**

In the previous versions, in units with field ventilation (technical setting for *Glazing rebate ventilation*), it was possible to select resistance classes RC 3/4 and FB 3/4 in the unit parameters. As of this version, this combination is no longer possible for new items.

Please note:

If you have selected this combination in any of your existing items, you will receive a notification about this as of this version. Change your settings, if necessary.

Schüco FWS 50, Schüco FWS 60, without resistance class:**Generation of spacer blocks (glazing bridges) changed**

As of version 2022 R3, the glazing bridges (Art. No. 230401 to 230407) required for blocking and the accompanying screws have been generated for all resistance classes and for the *Without* resistance class in accordance with the K drawings.

According to updated fabrication documents, the use of these spacer blocks in units without a resistance class is now optional. Therefore, as of this version, the new *Spacer block* check box can be found in the technical settings under the *Glazing* group. By default, the check box is not checked. This setting only affects units with the *Without* resistance class. For units with a selected resistance class, the glazing bridges will continue to be generated.



Please note:

This change affects existing items for which the *Without* entry has been selected as the resistance class.

Mullion/transom façades:

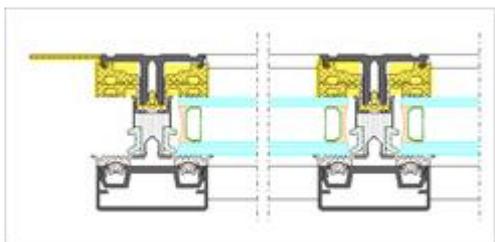
Seals for the transom joint with a continuous internal glazing gasket

Schüco FWS 35 PD	Schüco FW 50+ FR60	
Schüco FWS 50.NI	FW 50+ BF	
Schüco FWS 50	FW 60+ BF	
Schüco FWS 60	FW 50+ BF.HI	
Schüco Seamless	FW 60+ BF.HI	

As of this version, you can amend the technical settings so that the seals for the transom joint are also generated when the standard gasket without corners is used. To do this, find the new *Standard without corners with seal* entry for the *Glazing gasket, inside* property under the *Gasket* group.

Schüco AOC:

Inner gaskets - Specified in millimetres



As of this version, the calculated length of the glazing rebate gaskets and the building attachment gaskets is output in millimetres, instead of linear metres.

In addition, as a guide for cutting these gaskets, the cutting dimensions can now also be found in the following lists:

- Cutting list
- Cutting optimisation

Fire and smoke protection (aluminium)

Schüco FireStop ADS 90 FR 30: Internal use - Rebate gasket changed

As of this version, rebate gasket Art. No. 245772 is generated for internal use doors, instead of rebate gasket Art. No. 278156.

Please note:

This change affects existing items.

Schüco FireStop ADS 90 FR 30 and Schüco FireStop ADS 90 FR 90: New three-part stainless steel barrel hinge

As of this version, the new three-part barrel hinge Art. No. 279910 can be selected for doors in the aforementioned systems.

III. Design type: Steel

III.1 New systems

Sliding units (steel)

System
Jansen folding/sliding door

Jansen folding/sliding door:

New items are entered using the *folding/sliding door* system template (*Select template* dialog box > 04 - *Sliding units* > 05 - *Folding and sliding doors*).



In the *Item properties* dialog box, specify the series (basic depth 50 or 60 mm) in the *Item data* tab under the *System/material/profiles* group.

You can make more specifications in the *Field properties* dialog box:

- Under the *Opening type* group in the *Field properties* dialog box, you specify the number of folding vents on the left and right (opening type 995: *Free choice of vent combination*).
- *Automatic* is preset as the operating type.
- Under the *Openings* group, the gasket type *m-45* is preset. Here, the width of the security rail can be selected.

No price is calculated for the drive unit. Please request this on an order-specific basis.

The sensor strip is supplied with the drive unit. In the program, this is entered as an article template and is calculated without a price. Please take the price into account when entering the price for the drive unit.

Drives and braces are not generated automatically. They must be specified by the drive supplier on an order-specific basis. (The articles can be entered as additional material.)

III.2 Changes to steel systems

Windows/doors and sliding units (steel systems)

Janisol Arte - 60 mm basic depth:

Double-leaf doors

As of this version, in the Janisol Arte system, double-leaf doors can be used in the *Inward-opening* and *Outward-opening* versions (opening types 50/51).



50



51

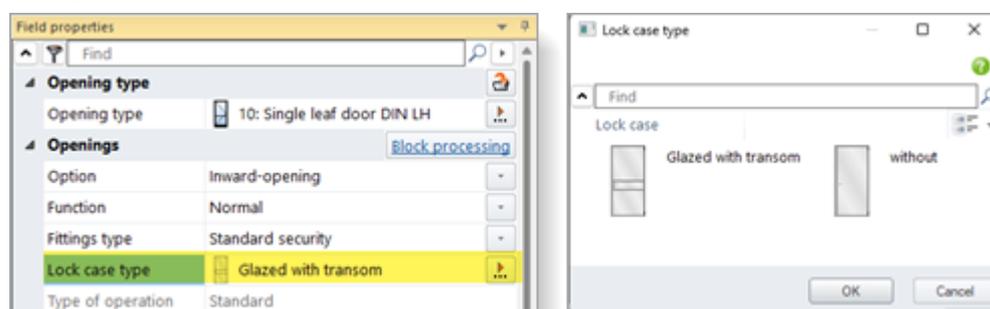
Double-leaf door DIN LH

Double-leaf door DIN RH

Janisol Arte - Basic depth 60 mm:

Doors - "Transom glazed" lock case type

As of this version, for single-leaf and double-leaf doors in the Janisol Arte system in the basic depth of 60 mm, you can select the *Transom glazed* lock case type in the *Field properties* dialog box.



Janisol Arte:

Horizontal divisions of fixed glazing (sash bars/transoms)

(Since 2023 R2 SP06)

Introduced temporarily with 2023 R2 SP03, the suspension of horizontal divisions in fixed glazing (sash bars/transoms) using profiles with a chamber dimension greater than 10 mm has been lifted.

Following an investigation into a possible lack of ventilation and drainage through the side gap on the isolator, it does not appear that any restrictions are required.

Façades (steel systems)

VISS Fire:

Upgrades and changes

VISS Fire roof - New rafter profiles for REI30:

For use in the roof area, new rafter profiles are available for selection for the system templates *Modular façade*, *sloped*, *Mono-pitch roof*, *Saddle roof*, *symmetrical* and *4-sided pyramid* for fire resistance class REI30:

Art. No. 76.696 and 76.696Z

Art. No. 76.697 and 76.697Z

Art. No. 76.679 and 76.679Z

VISS Fire roof - Limitation on fire resistance classes for pyramids

As of this version, the selection of a fire resistance class with the *4-sided pyramid* system template is limited to the permitted classes *REI30*, *RE45*, *REW45* and *REI45*.

Door insert units with TVS and TV thermal insulation

As of this version, the systems that can be used for door insert units are checked according to their fire resistance class and manual specifications.

In addition to the doors from the Janisol 2 EI30 and Janisol 2 EI30 stainless steel systems, which could already be used in the previous versions, doors from the Economy 60 E30 and Janisol C4 can now also be used.