

## 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 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: 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**.

## ALUKÖNIGSTAHL SOFTWARE SERVICE

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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)

#### Projects and items

##### Select template dialog box:

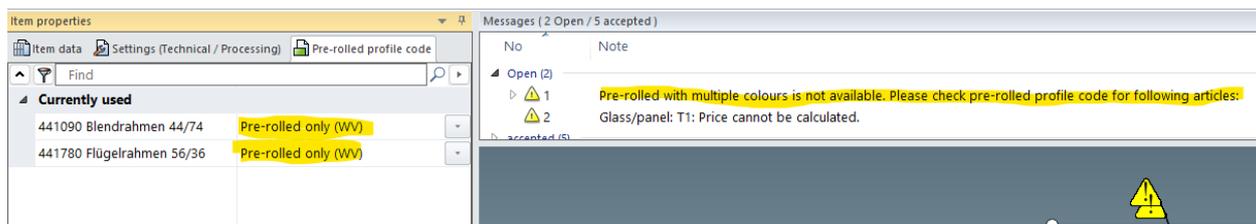
##### Selecting the system templates for doors

In the *Select template* dialog box, the system templates have been moved to a new *01 - Standard* sub-folder in the *01 - Door (inward-opening)* and *02 - Door (outward-opening)* folders. System templates for the *02 - T-cleat construction method* have been added to the folders (only valid for the AD UP 75 and Schüco AD UP 75 BL systems).



#### 2-colour coating only in „For rolling by the customer (KV)“ Pre-rolled profile code

In the previous versions, "Pre-rolled only (WV)" profiles with multiple colours were automatically changed to "For rolling by the customer (KV)". This option of operation is no longer possible from this version onwards. If you now want to coat a profile in 2 colours, the pre-rolled code must be manually changed to "For rolling by the customer (KV)". In these cases, a corresponding message is issued.



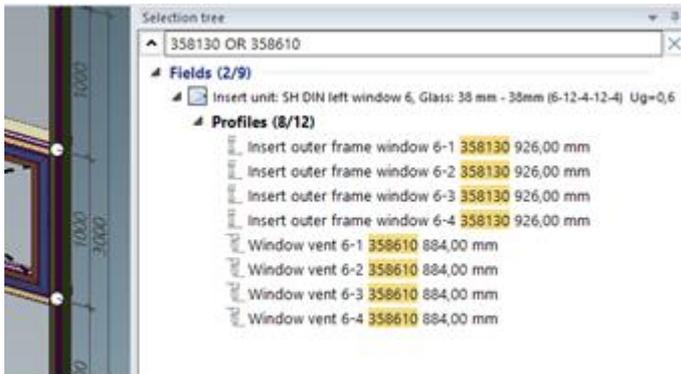
##### Please note:

This change affects existing positions.

## Using the item window

### Selection tree - keyboard navigation

To select individual or multiple unit components, you can use the selection tree in the item window. As of this version, it is possible to navigate through this tree structure using the keyboard. In addition, the search function in the search bar has been improved. For example, you can now link individual terms using Boolean operators (AND, OR, etc.).



## Glass / panel

### Panel composition

In the previous versions, the panel thicknesses of the individual panes (outer, inner, centre) could be entered with one decimal place. These entries were 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 was listed without the decimal place.

As of this version, entries with decimal places are rounded to the nearest whole millimetre (rounded down from 0.4, rounded up from 0.5).

### Please note:

This change also affects panels that have already been entered. These entries are rounded in the program (in the quick info or in the profile section for example).

## CAD export

### CAD export - glass and panel plan:

#### New dialog box with drawing preview

As of this version, the new *CAD export - Glass/panel plan* dialog box opens for the export of glass and panel plans. 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 be displayed. In the preview area, any changes that you make to the settings are displayed simultaneously.

The other new options for the CAD export, glass and panel plan include:

- The ability to select millimetres or centimetres for the glass/panel dimensions.
- For leaf-enclosing door infills on both sides, there is the option to display the panel cuts separately.

## Preliminary structural calculation

### "Preliminary structural calculation" list for selected profiles

As of this version, you will find the new context menu command *Output preliminary structural calculation* in the statics mode (item window) when selecting one or more profiles. This allows you to output a list containing only the structural calculations for the selected profiles.

### Overview of supported profile systems

Information about the systems that are supported can be found as of this version in the program: menu ribbon, *General* tab > *Help* > *Profile systems* > *Preliminary structural calculation* column.

## II. Aluminium design type

### II.1 Changes to aluminium systems

#### For all systems (aluminium)

##### Airborne sound reduction

##### Airborne sound reduction value of Schüco AWS 90 AC.SI

As of this version, the airborne sound reduction value be calculated for the following units of the Schüco AWS 90 AC.SI system.

- Side-hung and turn/tilt windows and window doors (calculated when closed).
- Fixed lights

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

##### Correction values for fixed glazing

As of this version, the correction value "KfV" [dB] from DIN 4109-35:07.2016, Table 1, can be applied to fixed glazing if required.

## Machine control

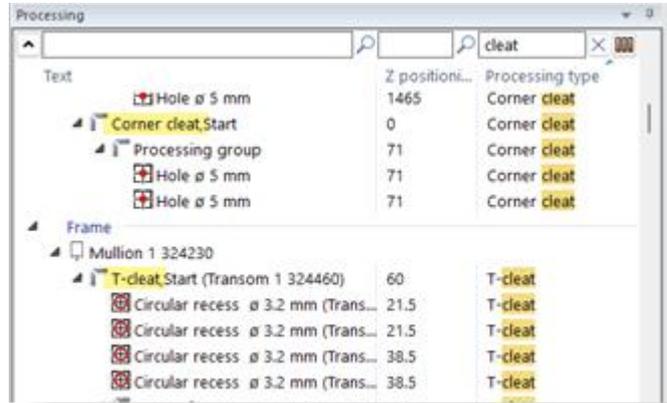
### MCO filter:

#### Connector processes

As part of our efforts to continually improve quality, the processes for connectors have been fully revised for the systems listed.

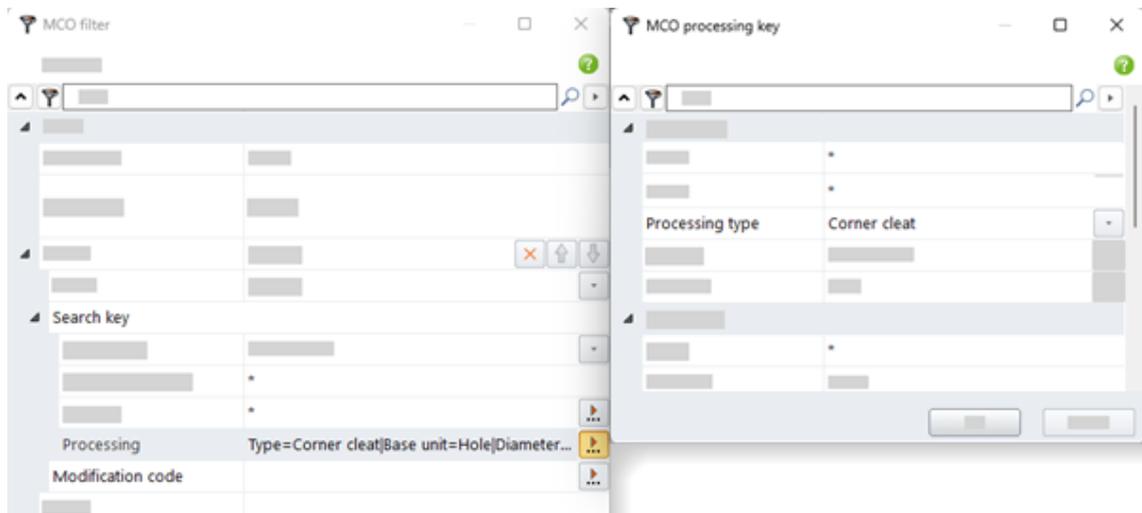
- Schüco FWS 60 CV
- Schüco AWS 114
- Schüco AWS 114.SI

In processing mode, the processes for these systems are now differentiated according to whether they are for a *Corner cleat* or a *T-cleat*. The processing types are labelled accordingly in the processing tree. For all of the other systems, all of the connector processes are listed as the *Cleat* processing type.



If you have created MCO filters which manipulate processes with the *Cleat* processing type, these MCO filters will no longer affect the connector processes in the systems listed. The two new processing types *T-cleat* and *corner cleat* have been added to the list of available processing types in the *MCO processing key* dialog box for the search and modification key.

To ensure your filters also take effect for the connector processes in the systems listed, you must add these new processing types to the search key in your filters.



## Windows/doors (aluminium)

### Schüco AvanTec SimplySmart and Schüco surface-mounted SimplySmart window fitting: Bottom-hung window (handle at side) - new HD fittings types

For the construction of large and heavy bottom-hung windows, additional window fittings have been added. For bottom-hung windows with the handle at the side (opening types 200 and 201), the following fittings types can now be selected.

- BASIC - AvanTec SimplySmart HD
- RC1N - AvanTec SimplySmart HD
- RC2 - AvanTec SimplySmart HD
- BASIC - surface-mounted SimplySmart HD
- RC1N - surface-mounted SimplySmart HD
- RC2 - surface-mounted SimplySmart HD

### SimplySmart outward-opening window fittings: Projected top hung window and Top-hung window

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

The fittings for opening types 221 (projected top-hung window) and 220 (Top-hung window) are calculated according to the latest order manual (BK 1-3.2 SimplySmart).

- Top-hung window (K1027702 and K1027708, K1027703 and K1027709)
- Projected top hung window (K1027706 and K1027716, K1027707 and K1027717)

#### Please note:

This change affects existing items.

#### Schüco AWS:

##### New structural mullions

(Window systems in basic depths of 50-90 mm)

As of this version, the following new mullions can be entered:

Basic depth	Article
50 mm	570130
60 mm	570140
65 mm	570150
70 mm	570160
75 mm	570170
75 mm (optimized)	570240
90 mm	570180
90 mm (optimized)	570250

**Schüco AWS:  
New expansion profiles**

(Window systems in basic depths of 50-75 mm)

As of this version, the following new expansion profiles can be entered:

Basic depth	Article
50 mm	570190
60 mm	570200
65 mm	570210
70 mm	570220
75 mm	570230
75 mm (optimized)	570260

Please note for windows in the Schüco AWS 75.SI+ system:

Expansion profiles Art. No. 570230 and Art. No. 570260 can only be selected if the *Custom combination* entry has been selected for the *Profile type (window profiles)* property in the *Item data* tab.

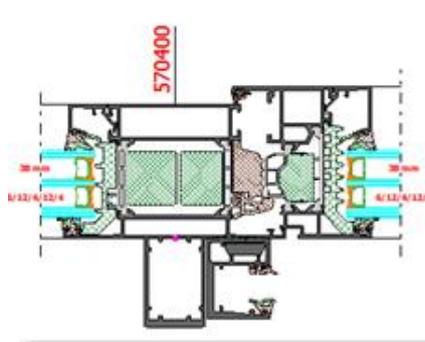
**Schüco AWS - spandrel safety barrier:  
New structural profiles with structural components on the outside**

(Window systems in basic depths of 50-90 mm)

As of this version, the mullion and expansion profiles with structural components on the outside can be selected.

Example: Schüco AWS 75.SI+ →

When using these structural profiles, please note the recommendation that any loads introduced into the surrounding, load-bearing building structure are agreed with the responsible structural engineer involved in the project.



**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:

**Dummy vent - amended fittings calculation:**

(As of 2023 R3 SP03)

The calculation is carried out in accordance with the amended fabrication drawings for the dummy vent (K1029421, K1029422).

**Push-in handle and rosette cover - stainless steel look colour option**

(As of 2023 R3 SP03)

Rosette cover Art. No. 269345 is now calculated for push-in handle Art. No. 247006.

**Schüco AWS 75.SI+/AD UP 75/ADS 75.SI:  
Schüco AD UP Commercial product portfolio**

As of this version, you can easily enter doors from the special profile range for Schüco AD UP Commercial using a profile filter for doors in this system.

In the *Item data* tab, you will find the new *Profile type (door profiles)* selection list under the *System / profiles* group. Here you can choose between *Own combination* or *AD UP Commercial*. Your selection will result in the corresponding profiles being entered for the doors.

The *Profile type (door profiles)* can be found in the *Field properties* tab.

- If you select the entry *Own combination* in the *Item data* tab, you can choose between the options in the *Profile type (door profiles)* selection list in the *Field properties* tab for the door (*AD UP, AD UP BL, AD UP Commercial, ADS*).
- If you select the entry *AD UP Commercial* in the *Item data* tab, the *Profile type (door profiles)* selection list is greyed out in the *Field properties* tab for the door. The only leaf profiles that you can select are the ones from the Schüco AD UP Commercial profile range. The unit is calculated using the special profile range for Schüco AD UP Commercial.

**Technical setting:**

In the technical settings, the property *AD UP Commercial centre gasket* has been added under the *Gaskets* group. Here, you decide whether you want to calculate the centre gasket (*Standard with corners*) or cover gasket Art. No. 278732 (*Without centre gasket*) for the profiles.

**Schüco AD UP door systems:****Pull grip profiles with or without integrated Fingerprint Easy**

As of version 2023 R3, it has been possible to select flush pull grip profiles Art. No. 546600 and Art. No. 564610 with integrated Fingerprint Easy for the listed systems.

As of this version, there is also the option to enter these flush pull grip profiles without Fingerprint Easy. To make this possible, the following program changes have been made:

The operating type *Design with integrated Fingerprint* has been renamed *Gen2 design*.

Under the *Fingerprint Easy* group, you can then select whether or not you want this to be calculated.

**Schüco AD UP door systems:  
Schüco SafeGuard locking system**

As of this version, the Schüco SafeGuard locking system can be used in single-leaf, inward-opening doors from the Schüco AD UP systems. This is possible for doors in the standard security, RC1, RC2N and RC2 resistance classes.

To do this, select the following new entries for the *Operating type* under the *Openings* group in the *Field properties* dialog box:

- *SafeGuard*
- *Comfort and SafeGuard*
- *Fingerprint Easy and SafeGuard*
- *Design with Fingerprint Easy and SafeGuard*
- *Gen2 design with SafeGuard*

The articles will then be offered for selection as the locks.

- Art. No. 263590 SafeGuard (mechatronic multi-point locking)
- Art. No. 263591 SafeGuard Plus (mechatronic multi-point locking with additional tightening function)

If the number of locks = 3, you can either select 1-1-1 or 1-0-1-1 (horizontal) as the installation diagram.

You will find the new property *Emergency release panel* in the technical settings under the *Colours* group. Here you specify whether Art. No. 279982 (RAL 9005) or Art. No. 245997 (RAL 9016) is to be calculated.

**Schüco AD UP 75, Schüco AD UP 75 BL:  
Door leaf profiles as frame profiles**

In the previous versions, it was possible to use door leaf profiles as outer frames, mullions and transoms in the systems listed. This is not permitted by the system for technical reasons. As of this version, the choice of door leaf profiles for these purposes is no longer possible.

**Please note:**

This change affects existing items. If you have previously used a door leaf profile as a frame profile in an item, this will be automatically replaced with a valid frame profile.

**Schüco AD UP 75, Schüco AD UP 75 BL, Schüco AD UP 90:  
Adding and splitting areas**

In items with these systems, as of this version it is no longer possible to retrospectively add and split areas. For new units with sidelights and toplights, please select an appropriate system template.

**Schüco AD UP door systems:  
Unit couplings**

To create unit couplings (doors with sidelights and toplights), several optimisations have been made. The calculation in the program is carried out in accordance with the updated fabrication documentation.

**T-cleat construction method - system templates for Schüco AD UP 75 and Schüco AD UP 75 BL doors**

Unit couplings using the T-cleat construction method are possible in these systems. For couplings with fixed lights, the I-sides of AD UP door outer frames (Art. No. 522930) or AD UP outer frames with glazing beads are glazed from inside and outside (screw-fixed glazing bead).

In the *Select template* dialog box, the corresponding system templates for these units with sidelights and toplights are offered in separate folders (*02 - T-cleat construction method*).

**Schüco AD UP doors:****Default material for "Centre gasket for rebate profile" changed to "EPDM".**

(As of 2023 R3 SP03)

The default for the technical setting *Centre gasket for rebate profile* was previously *Polyamide*. This default has been changed to *EPDM*.

**Please note:**

If you had previously left the former default *Polyamide* unchanged in the master data and copied it over for your items, the change in the default to *EPDM* will also be copied over to your master data and items automatically. The calculation will change accordingly.

Please check your settings for the Schüco AD UP door systems.

**Schüco AD UP doors:****Seals for mitres and T-joints in accordance with K1024902**

The calculation of the seals has been revised and is now based on the specifications in K1024902.

- The required seals will be calculated if you have checked the option *Cleat with corner reinforcement and corner chevron* in the technical settings.

**Technical setting for T-joints for AD UP to AD UP profile combinations:**

For T-joints for AD UP to AD UP profile combinations, the new plastic seal Art. No. 270268 is calculated. However, you will find a new property in the technical settings which allows seal Art. No. 220397 to be calculated for these profile combinations as an alternative.

**Machine control (AD UP door systems)****Schüco AD UP 75, Schüco AD UP 90 and Schüco AWS 75.SI+/AD UP 75/ADS 75.SI:  
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.

Known error for transoms with adjacent openings above and below:

If the *drainage component* option is selected in the technical settings for *Drainage / ventilation transom*, a process not required according to K1008625 for the drainage piece Art. 246725 is generated on these transoms. Please remove the process "3 x rectangular recess 45 x 16 mm" from the processing group in processing mode. Alternatively, you can also change the technical setting *Drainage / ventilation transom* to the *concealed* option.

**Please note:**

As part of this revision, the processing settings for these systems now only contain options for the *Spacing* and the *Minimum field size* for the processes. (Schüco AD UP 75, Schüco AD UP 90: for outer frames; Schüco AWS 75.SI+/AD UP 75/ADS 75.SI: for outer frames, transoms and door leaves.) All other previous options under the *Drainage/ventilation* group have been removed.

The changes also affect existing items.

**Schüco AD UP 75 BL:****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 will be automatically generated in accordance with the K drawings.

**Please note:**

The changes also affect existing items.

**Schüco AD UP 90:****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.

**Sliding units (aluminium)****Schüco AS PD 75.HI:****New article numbers for anodised vent composite profiles**

From this version onwards, the new article numbers for anodised vent composite profiles are automatically calculated for vent profiles with aluminium shells when you select a corresponding surface for the unit.

The following articles are calculated according to your surface selection.

<b>Powder coating Wet coating</b>	<b>Anodised</b>
545500	577500
545510	577510
545520	577520
545530	577530
545550	577550
545560	577560

**Schüco AS PD 75.HI:****TipTronic type of operation - sensor junction box**

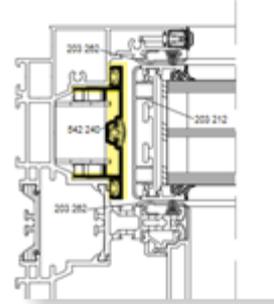
The new article number is generated for the sensor junction box.

Art. No. 263351 -> Art. No. 263851

**Schüco AS PD 75.HI:****Dynamic cover profile, fixing kit for side closer profile**

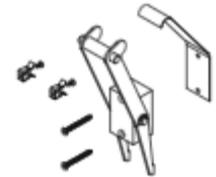
For the side cover profile (*Dynamic cover profile* in the *Field properties* dialog box) the new article number is generated.

Art. No. 542240 -> Art. No. 552960



The article number for the *Fixing kit for side closer profile* has been changed.

Art. No. 220881 -> Art. No. 225881



also

**Schüco AS PD 75.HI:****Interlock profiles and centre gaskets**

The plastic interlock profiles and the gaskets have been improved.

Access Line and Design Line (manual):

- Art. No. 203588 - new interlock profile for intersection point 4 (old: Art. No. 203218)
- Art. No. 203618 - new interlock profile for intersection point 5 (old: Art. No. 203188)
- Art. No. 245971 - new centre gasket for both intersection points (old: Art. No. 203227)

Design Line (TipTronic) and Performance Line:

- Art. No. 203613 - new interlock profile for intersection point 4 (old: Art. No. 203213)
- Art. No. 203615 - new interlock profile for intersection point 5 (old: Art. No. 203215)
- Art. No. 245972 - new centre gasket for both intersection points (old: Art. No. 203231)

**Note:** Advance notice – the above written profiles will only be available with the next catalogue update

**Schüco AS FD 75 and Schüco AS FD 90.HI:****Changes and system enhancements**

Some program changes have been made for the folding sliding systems:

## Standard and RC2 fittings types

### Drainage cover caps - "without"

In the technical settings, a new option *Without* has been added to the choice of drainage caps (*Drainage / ventilation group > Cap type*). For this option, the following is calculated:

- Inward-opening versions = two standard caps
- Outward-opening versions = no caps

The setting does not apply to units with a *Threshold (4 mm)* design. In this case, caps are never calculated.

### Use of surface-applied glazing bars and Viennese glazing bars

As for the Schüco FD 70/80.HI folding sliding system, the glass can be subdivided using decorative glazing bar Art. No. 189660 (surface-applied glazing bars, Viennese glazing bars). This also applies to units with the RC 2 fittings type.

### Selection aid for additional locking points

As of this version, the article numbers for additional locking points are highlighted red in the article selection dialog box for the additional locking points if the maximum vent height for their use has been exceeded.

## RC 2 fittings type

### RC 2 now also for 90 mm face width

Previously, the RC 2 fittings type could only be selected for inward-opening units with a 104 mm face width. As of this version, it is now also possible for units with a 90 mm face width. With this face width, normal glazing beads are used and the infill has to be bonded.

### Use of Georgian bars

For types with the RC 2 fittings type, it is now also possible to use Georgian bars.

### Two-sided types

In the previous versions, the RC 2 fittings type was only available for types with an uneven number of vents on one side. As of this version, the RC 2 fittings type is also available for types with two vent stacks. The rule of thumb here is that one vent stack must always have an uneven number of vents.

### Permissible vent heights

The previous minimum and maximum vent heights for the RC 2 fittings type have changed (previously: minimum = 2325 mm, maximum = 2665 mm).

New minimum vent height:

- 1922 mm (Schüco AS FD 75 and Schüco AS FD 90.HI)

New maximum vent heights:

- 3000 mm (Schüco AS FD 75)
- 3500 mm (Schüco AS FD 90.HI)

**Changes to the fittings calculation (RC 2 fittings type)**

- In addition to Art. No. 211980, new profile cylinders Art. No. 279132 (Schüco AS FD 75) and Art. No. 279118 and Art. No. 279214 (Schüco AS FD 90.HI) can be selected. Previously available profile cylinder Art. No. 241216 has been removed.
- Key-operated multi-point locking is possible (lock Art. No. 279777).
- When selecting the additional locking points for the chosen lock, only the articles that can be used with the current vent dimensions are offered. There is also the option to select no additional locking points.
- For types with the RC 2 fittings type, protection kit Art. No. 220851 is not required. It will therefore no longer be calculated.
- Additional locking points (Art. No. 269322, Art. No. 269321) will only be calculated at the intersection points where the external hinges are located.

**Please note:**

The change to the calculation of the fitting affects existing items.

**Schüco AS FD 75 and Schüco AS FD 90.HI:****90° corner**

As of this version, units can be entered as a corner solution.

To do this, select the *90° corner* system template in the *Select template* dialog box (*04 - Sliding units* -> *02 - folding sliding units (insulated)*).



90° corner

In the *Item properties* dialog box, you can specify the width of levels 1 and 2 and the unit height. The position of the *Access vent* is in level 2.

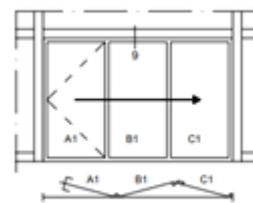
You can define the folding units in the two levels as a free choice of vent combination directly in the *Field properties* dialog box. Type 6 with three vents on the left and three vents on the right is set by default. It is only possible to enter an uneven number of vents. As the threshold, only the 15 mm threshold can be used and as a drip bar, only Art. No. 550810 is available for selection.

As the fittings type, only the standard fitting can be chosen.

**Façades (aluminium)****Schüco FWS 50/60:****Schüco AS FD 75 folding sliding units and Schüco AS FD 90.HI as an insert unit**

Using adapter profiles (Art. No. 382870, Art. No. 368990, Art. No. 439050), units from the Schüco AS FD 75 and Schüco AS FD 90.HI systems can be inserted in fields of façade units from the Schüco FWS 50 and Schüco FWS 60 systems.

For use in a façade field, select the *Free choice of vent combination* opening type. All of the specifications for the configuration (profiles, number of folding vents, threshold design, fittings) are made in the *Field properties* dialog box.



**Schüco FWS 50:  
"SI eco" thermal insulation**

(As of 2023 R3 SP04)

For the *Thermal insulation* unit parameter, the *SI eco* thermal insulation option can now be selected as an alternative to *SI* thermal insulation. In this case, the thermal insulation version is calculated without the thermal insulation hinge.

**Schüco FWS50/60 and Schüco AOC:  
New unpunched pressure plates**

(As of 2023 R3 SP04)

The new unpunched pressure plates can be selected:

- Art. No. 477590 (FWS 50, FWS 50 CW, FWS 50 SG, AOC 50 mm face width)
- Art. No. 477650 (FWS 60, FWS 60 CW, FWS 60 SG, AOC 60 mm face width)

**Fire and smoke protection (aluminium)****Schüco FireStop ADS 90 FR 30 and Schüco FireStop ADS 90 FR 90:  
Wall attachment - screw Art. No. 205496 replaced by Art. No. 205081**

Fixings, that previously used screw Art. No. 205496, now need the new screw Art. No. 205081.

If you have selected a corresponding outer frame fixing under the *Fixing* group in the technical settings, as of this version the new screw will be calculated.

**Schüco FireStop ADS 90 FR 30:  
Fixing hole version 7 for "outer frame, bottom"**

For the bottom outer frames of the system, version 7 can now also be selected for the fixing hole in the processing settings.

**Sun shading****Schüco Integralmaster sun shading:  
Use in Schüco FWS 50 - Maximum width changed**

The maximum dimension for the constructability of the materials TC 3011, TC 3012, TC 3013 and TC 2103 has been reduced from 1800 mm to 1500 mm. The program will display a message if the respective transom profiles exceed this length.

## III. Design type: Steel

### III.1 Changes to steel systems

#### U value calculation (steel systems)

##### Changes for values that cannot be fully calculated

For steel systems, since version 2023 R1, no values have been calculated for values that cannot be fully determined and a question mark [?] has been output instead. As of this version, generic values - if available - are calculated again.

For the display of the results of the U value calculation in the *U value calculation* dialog box and in the *U value listing* list, the following changes result if not all details exist for the calculation of the required U values:

- If a generic value is calculated for the calculation (generally the "Uf max" value listed in the system default settings), the corresponding value is labelled with an exclamation mark [!]. A note will be shown about this.
- If no value is calculated for the calculation, the value is replaced with a question mark [?]. A note will be shown about this.

##### Please note:

This change affects the U value calculation for existing items.

#### Windows/doors and sliding units (steel systems)

##### Fixing studs for glazing beads:

##### Technical settings for the delivery unit

To calculate the fixing studs, as of this version you can specify which delivery unit is to be supplied (Art. No. 450.007, Art. No. 450.008 and Art. No. 450.009). For this, you will find the *Packing unit/delivery* property in the technical settings under the *Glazing bead fixing* group. Here you can choose between *In magazines* or *Packed loose*.

##### Janisol:

##### RC 2 doors - lock selection

Locks without multi-point locking have been added to the article selection for doors with the RC 2 fittings type.

- Latch-and-bolt lock
- Lath-and-bolt lock with additional locking at the top
- Roller latch lock

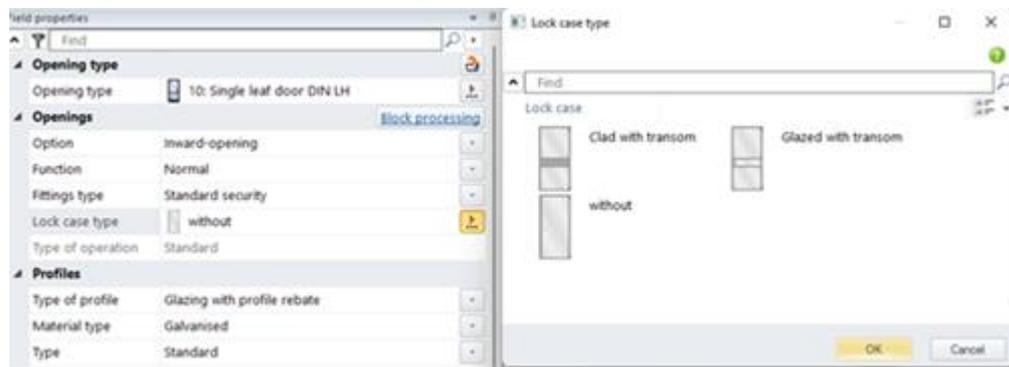
##### Janisol HI:

##### Adjustment of the glazing rebate ventilation for windows

The articles for glazing rebate ventilation are calculated in line with the amended fabrication instructions.

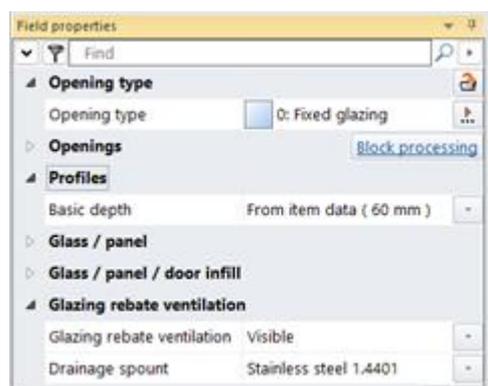
**Janisol Arte - Basic depth 60 mm:  
Doors - "sheet metal clad transom" lock case type**

For single-leaf and double-leaf doors from the Janisol Arte system in the basic depth of 60 mm, as of this version you can select the *With sheet metal clad transom* lock case type in the *Field properties* dialog box.



**Janisol Arte - 60 mm basic depth:  
Fixed glazing - visible glazing rebate ventilation with or without cover cap**

As of this version, the alternative visible glazing rebate ventilation can also be calculated for fixed glazing.



To do this, you can find the *Glazing rebate ventilation* property under the new *Glazing rebate ventilation* group in the *Field properties* dialog box for fixed glazing. Here, you decide if you want the concealed or visible version to be calculated. If you choose the *Visible* option, you will be offered a further list of options for the *Drainage spout* (with or without cover cap).

For fixed glazing in existing items, the *Concealed* option is set by default in the *Glazing rebate ventilation* selection list, so that the calculation doesn't change.