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.

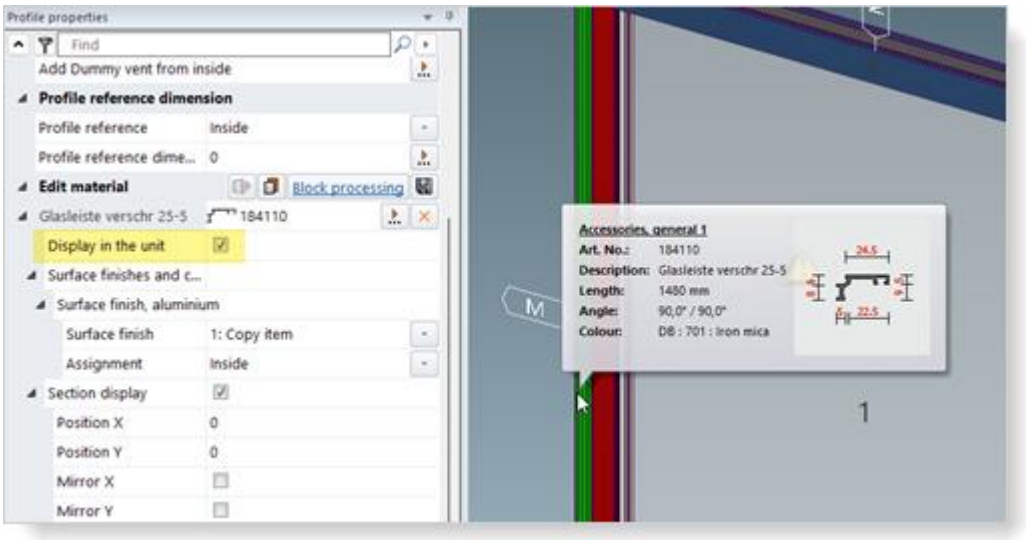
I. General program changes (for all design types)

Projects and items

Editing material:
Automatic length calculation for system profiles

Additional material can be directly assigned to profiles that are located on a selected edge. The material added is also output directly to the profile in the relevant lists (e.g. material list, glazing bar plan). For a configuration level with section display, the system profile cuts can be displayed in the profile section.

As of this version, automatic length calculation can be performed for the system profiles added. For this, the new *Display in the unit* checkbox is offered. When this is activated, the *Unit of quantity*, *Number* and *Formula/length* fields are not evaluated and the length calculation is performed automatically according to the intersections in the unit. The profile is shown in both the section view and the unit view. It can be selected there and, if required, joined to the adjacent profiles using the *Modify intersections* context menu function.

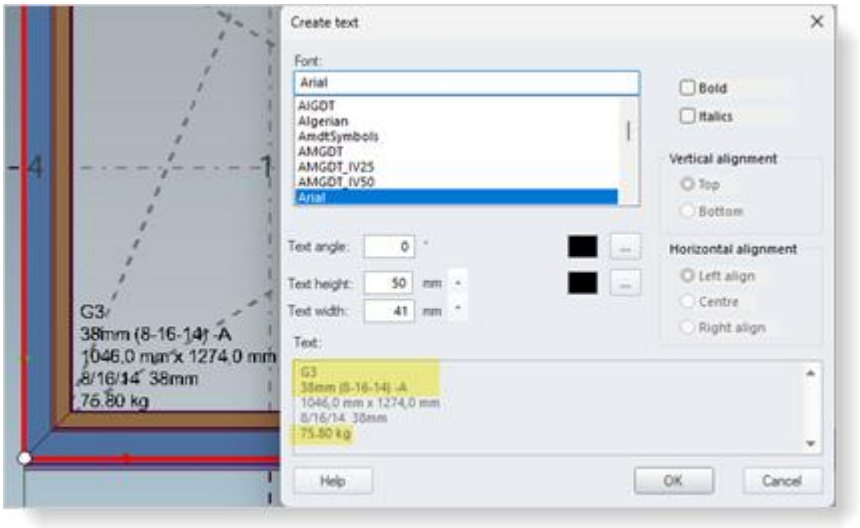


Unit editing

Label glass/panel

As of this version, the glass weight can also be entered using the *Label glass / panel* function.

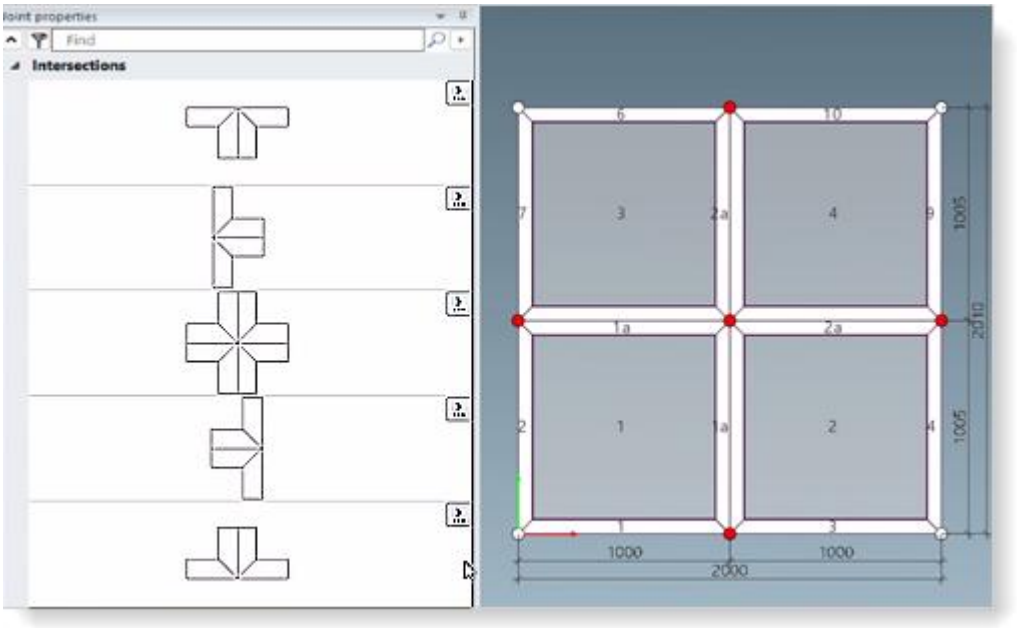
Please note:
This new function also affects existing items, in which you have added a glass / panel label.



Windows/doors:
New intersection types for couplings

(As of 2025 R2 SP05)

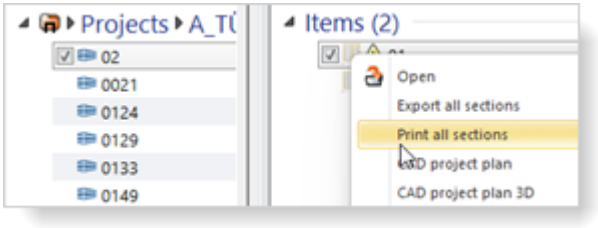
As of this version, intersections in coupled units can be mitred more easily. To do this, the desired intersection type can be selected at the click of the mouse using the *Change intersection type* function. This eliminates the need for complex profile adjustments using the *Modify intersections* function.



Section display

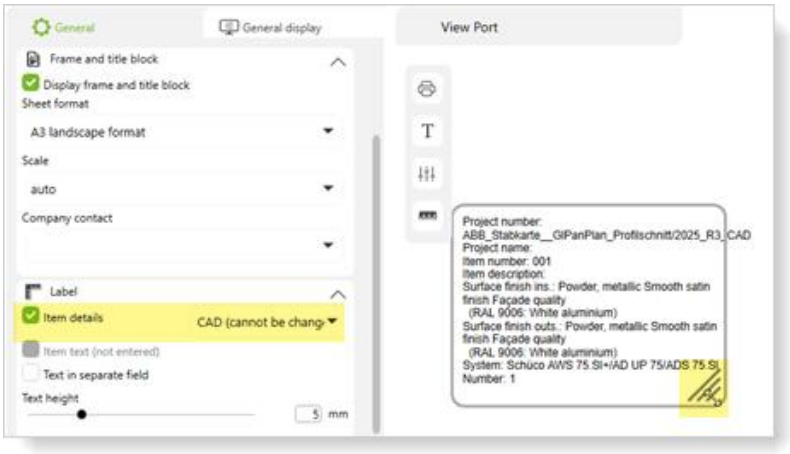
Project explorer, project window:
"Print all sections" available without CAD

As of this version, profile sections can be printed from project explorer or the project window even if the configuration level does not include a CAD application. To do this, select the project or item in the *Project list* or *Project list of contents*. You will find the *Print all sections* entry in the context menu.



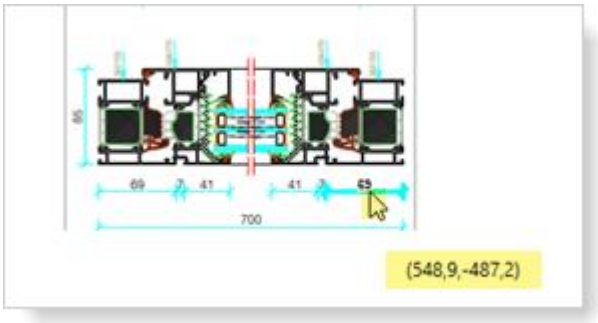
"Display profile section/unit appearance" dialog box:
Text frame for the item description

As of this version, the text frame for the item description can be changed manually. The running length of long texts can therefore be changed.



"Display profile section/unit appearance" dialog box:
Coordinates of the cursor

As of this version, the coordinates of the cursor can once again be read off in the dialog box.



"Display profile section/unit appearance" dialog box:
New – Measure distance

(Only with SchüCad next)

With this new function, you can measure the distance between two points.

The distance is displayed for you in the selected scale. (1:1 = Dimension in profile section, 1:X = Dimension in the scale selected for the unit view).

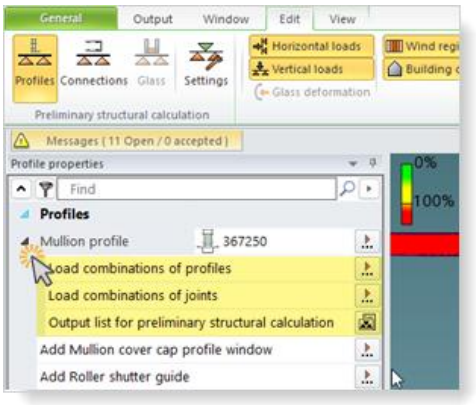
"Display profile section/unit appearance" dialog box:
Optimisation of the glass / panel labels

The display of the glass / panel labels in the unit views has been improved. The text heights are now taken from the default settings in the unit view of the item window. For 2D units, the text alignment is also taken from the unit view of the item window.
For 3D units, the labels cannot be adapted to the planes of the unit. Here, the labels are aligned with the x axis of the label plane.

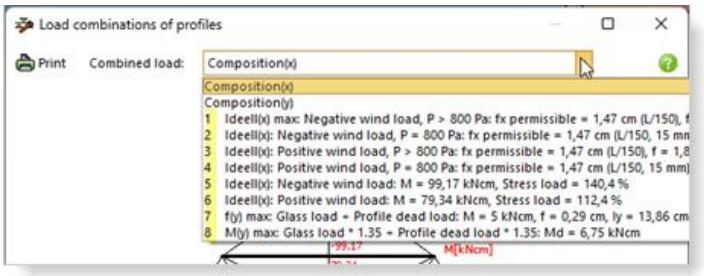
Preliminary structural calculation

Enhancements in statics mode

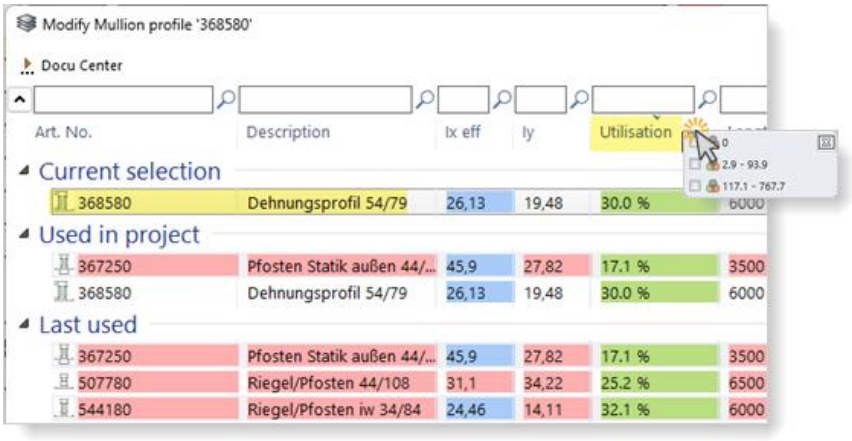
- As of this version, the load combinations for selected profile edges can also be called up via the buttons in the *Profile properties* dialog box. Previously, this was only possible via the corresponding context menu entries. The *Preliminary structural calculation* output list can also be output at this point, which contains the structural verifications for the selected profile only.



- If the preliminary structural calculation of the profiles is carried out as "bar statics", as of this version, the load combinations offered in the *Load combinations of profiles* dialog box will be assigned a sequential number. For calculations using the global finite element method, this was already the case in the previous versions.



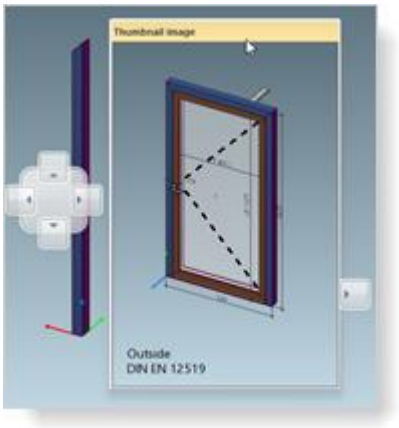
- If you have used an expansion profile as an outer frame in a unit and want to change it, as of this version the *Utilisation* column is displayed in the article selection dialog box. This allows you to look specifically for a suitable alternative expansion profile.



Machine control

Processing mode:
Positioning of the thumbnail image

The *Thumbnail image* window can be freely positioned in the work area. In the previous versions, this window was always displayed in the top right-hand corner of the work area when switching to processing mode. As of this version, the last used position and size is saved for all items.



Saw control:
New file format for Elumatec DGX2

As of this version, the *23: Elumatec DGX2* saw type can be selected in the *Saw settings* dialog box.

II. Aluminium design type

II.1 Discontinued systems

Sliding units (aluminium)

System	Comment
Schüco ASS 70 FD	For availability beyond midle of 2026, please contact the relevant sales representative.

II.2 Changes to aluminium systems

For all systems (aluminium)

Calculation

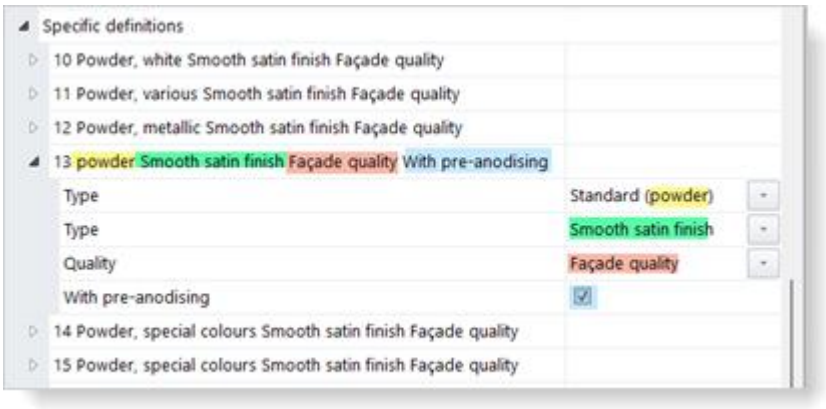
Contacts – coaters:
Defining the surface finishes

This version includes the following changes:

Conditions for the system coater and for user-defined coaters:

As of this version, the names of the *Powder coating surface finishes* are automatically compiled based on your selections for *Type*, *Design*, *Quality* and *Pre-anodising*.

This change affects projects that have already been created and the names result from the properties selected there.



Preliminary structural calculation

New: Profile statics for folding sliding units

Schüco AS FD 75

Schüco AS FD 90.HI

Schüco ASS 70 FD

As of this version, a preliminary structural calculation can be carried out in the systems listed. This also applies to insert units in façades. Corner units are not supported.

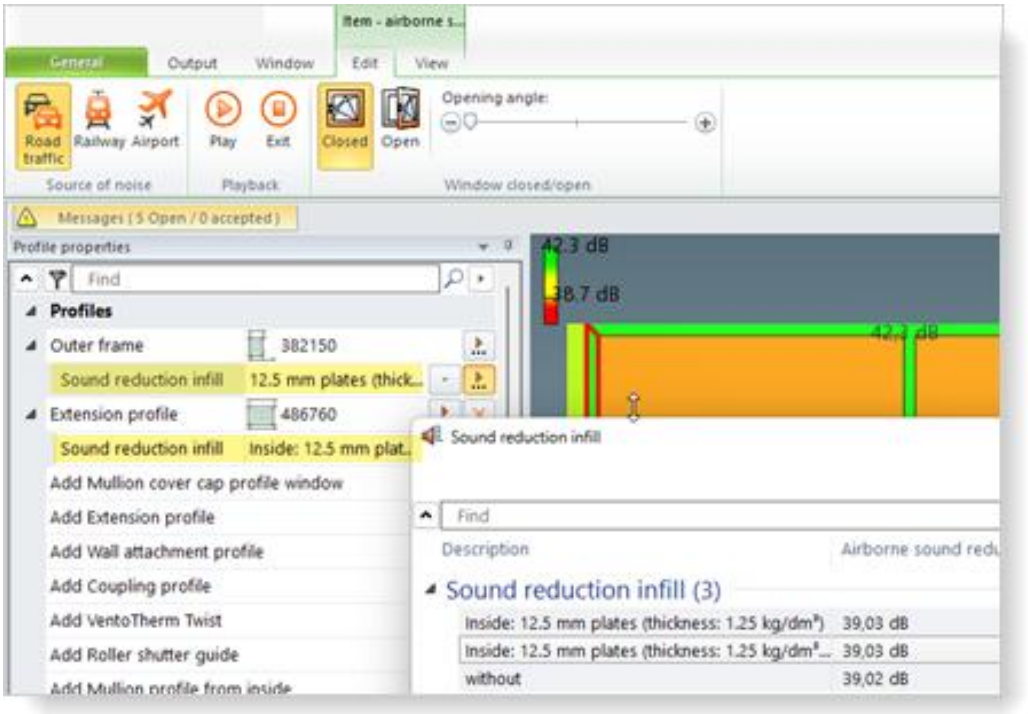
Vertical SLF vent profiles and insert profiles are taken into account in the preliminary calculation (with the exception of side profiles on the frame).

Airborne sound reduction

Sound reduction infills for frame profiles

As of this version, you can improve the sound reduction value for profiles with the purposes *Outer frame*, *Mullion*, *Transom* and *Extension profile* in airborne sound reduction mode, by entering information about any sound reduction infills used.

To do this, select the required profile in airborne sound reduction mode. There is an additional *Sound reduction infill* property under the purpose in the *profile properties* dialog box. You can choose between *Without*, *Panel material inside only* or *Panel material inside and outside*. In the selection dialog box, the airborne sound reduction value RW,res that results for the entire item when the sound reduction infill is used, is displayed in the additional *Airborne sound reduction value for the entire item* column.



Please note:
The material itself is not calculated by the program. Your input only affects the calculated sound reduction value of the profile. In the *Airborne sound reduction* list, the sound reduction infills are listed as information.

Airborne sound reduction of Schüco AWS block systems:
Upgrades and changes

As of this version, airborne sound reduction values can be calculated for units in the following systems.

- Schüco AWS 60 BS
- Schüco AWS 65 BS
- Schüco AWS 70 BS.HI
- Schüco AWS 75 BS.HI+
- Schüco AWS 90 BS.SI+

The calculation has been updated for the following systems:

- Schüco AWS 75 BD/BS.HI+/BG (Not available in all countries.)
- Schüco AWS 75 BS.Sl+

Windows/doors (aluminium)

Schüco AvanTec SimplySmart, Schüco surface-mounted SimplySmart and Schüco outward-opening SimplySmart window fitting:
Schüco DriveTec – Change to recording method

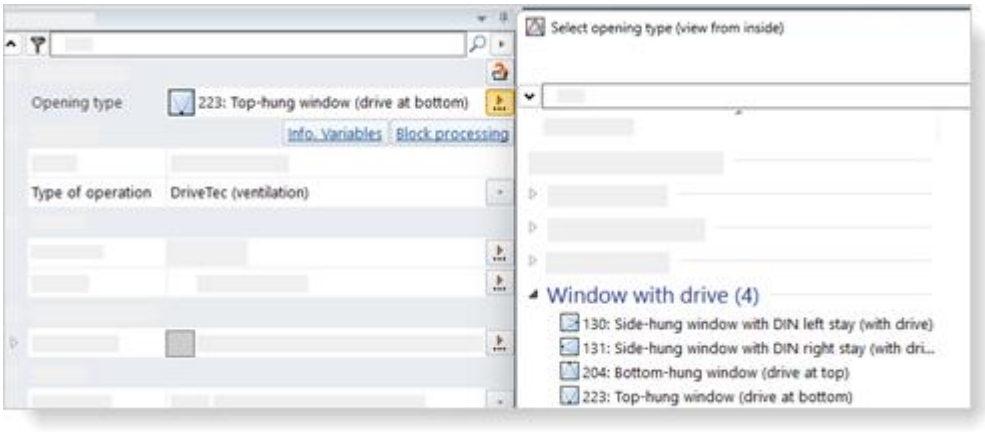
For easier recording of the openings with the window ventilation fittings system, the following changes have been made in the program:

- For opening types 100, 101 and 220, the selection of the *DriveTec (ventilation)* operating type is no longer possible as of this version. Instead, three new opening types 130, 131 and 223 have been created. Opening types 204, 250 and 251 can continue to be recorded in the same way.

  Please note:
  This change affects existing items. If you have selected the *DriveTec (ventilation)* operating type for opening types 100, 101 or 220 in the previous versions, as of this version the *Standard* operating type will be calculated for these openings as of this version.

Opening types with DriveTec operating type (Old)		Opening types with DriveTec operating type (As of 2025 R3)
 100: SH DIN left window	Replaced by >	 130: Side-hung window with DIN left stay (with drive)
 101: SH DIN right window	Replaced by >	 131: Side-hung window with DIN right stay (with drive)
 220: Top-hung vent	Replaced by >	 223: Top-hung window (drive at bottom)
 204: Bottom-hung window (drive at top)	Unchanged	 204: Bottom-hung window (drive at top)
 250: Roof window with hinge at top	Unchanged	 250: Roof window with hinge at top
 251: Roof window with hinge at bottom	Unchanged	 251: Roof window with hinge at bottom

- As of this version, you will find the additional *Window with drive* group in the *Select opening type* dialog box for the corresponding systems. Here, system-specific opening types will be offered which can be used with the DriveTec (ventilation) operating type.



Schüco AvanTec SimplySmart, Schüco surface-mounted SimplySmart and Schüco outward-opening SimplySmart window fitting:
"DriveTec (NSHEVS EN 12101-2)"

As of this version, the *DriveTec (NSHEVS EN 12101-2)* operating type can also be selected for the opening types listed as an alternative to the *DriveTec (ventilation*) operating type. In this instance, the unit is calculated and tested in accordance with the requirements of the EN 12102-2 standard as the basis for testing natural smoke and heat exhaust ventilation systems (NSHEVS).

Opening types with DriveTec operating type (NSHEVS EN 12101-2) (As of 2025 R3)
 130: Side-hung window with DIN left stay (with drive)
 131: Side-hung window with DIN right stay (with drive)
 223: Top-hung window (drive at bottom)
 204: Bottom-hung window (drive at top)

Window and door systems:
Technical setting "Drainage / ventilation" > "Window vent" > "Concealed, hinge side (SH/TT)" removed

In the previous versions, it was possible to specify in the settings for the side-hung and turn/tilt opening types that concealed drainage is only calculated on the hinge side. As of this version, this option is no longer available.

> **Please note:**
> This change also affects existing items that have this setting. The technical setting is automatically changed from *Concealed, hinge side (SH/TT)* to *Concealed*. For the corresponding opening types, concealed drainage is also generated on the handle side.

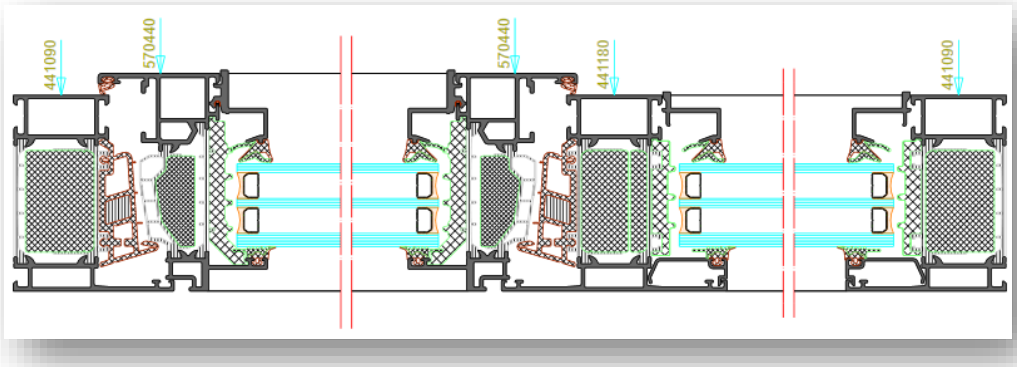
Schüco AWS 90 ST.SI+/AD UP 90:
Steel contour

For the Schüco AWS 90.SI+ window system, the new profiles with steel contour can be selected (vent profiles, glazing beads, decorative glazing bars). This solution also applies to window doors with the *Barrier-free balcony/patio door, zero level* options and to double-vent windows. The new look can also be achieved in the "optimized" system version.

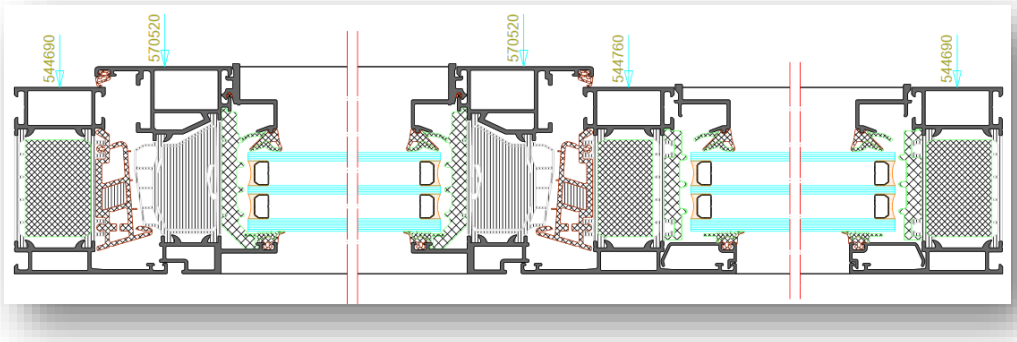
The vent profiles can be combined with the standard outer frame and the "optimized" outer frame.

In the article selection dialog box, you can filter the profiles in the *Contour* column using the *ST* or *ST optimized* property.

- Vent profiles (standard): Art. No. 570440, 570450, 570460, 570490



- Vent profiles ("optimized"): Art. No. 570470, 570510, 570520



In the technical settings, you specify the glazing bead type (*Design* group > *Glazing bead type* > *Steel contour*).

Schüco AWS 75.SI+/AD UP 75/ADS 75.SI:
Schüco AD UP Commercial doors – New module leaf

There are 2 new leaf profiles (V-Type) which can be calculated for full panic doors with the *AD UP Commercial* profile type.

- Art. No. 541870 (door leaf 108/101)
- Art. No. 541880 (door leaf 70/133)

Schüco AD UP door systems:
New concealed HD-hinges

(Schüco AD UP 75, Schüco AD UP 75 BL, Schüco AD UP 90)

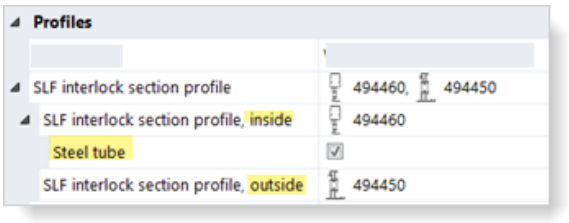
New concealed HD-hinges can be selected for inward and outward-opening, single and double-leaf doors in the *Standard* security class.

- Art. No. 279968
- Art. No. 279969
- Art. No. 279970

Sliding units (aluminium)

Schüco ASE 60 LC, Schüco ASE 80 LC, Schüco ASE 60, Schüco ASE 80.HI:
DesignLine – structural profiles and reinforcements, inside and outside

As of this version, structural profiles for inside and outside can be selected separately for the centre section of *DesignLine* units with a narrow double-vent area. The steel reinforcements can now also be calculated for the structural profiles.



Schüco ASE 60 and Schüco ASE 80.HI:
TipTronic fitting – calculation of sensor strip

In the previous versions, the sensor strip was calculated by default for sliding units with TipTronic. This default setting will change as of this version. For newly created units, the sensor strip will not be automatically pre-set; the checkbox under the *Fitting* group is not activated.

Please note:
This change does not generally affect existing items. Nevertheless, please check your items created using previous versions to make sure the required setting is selected.

Schüco ASE 60 and Schüco ASE 80.HI:
Single-track units as fixed lights

As of this version, single-track units (running internally) in the *Standard* design can be entered with the opening type *0: Fixed glazing* in the glazing version *0: Glazing from outside*.

Using the continuous cover profiles, the SLF outer frame is glazed directly.

- Art. No. 555630 (ASE 60)
- Art. No. 555640 (ASE 80.HI)

This fixed glazing cannot be constructed with level thresholds, Schüco Perfect or DesignLine units. It is not possible to divide the field using posts or glazing bars.

Schüco AS FD 75 / AS FD 90.HI:
Amended article for shoot bolt locking

(As of 2025 R2 SP04)

The following changes have been made to the calculation of the shoot bolt locking:

Old article	New article
269262 (Unit of quantity: Packing unit with 2 pieces)	225942 (Unit of quantity: Number)
269264 (Unit of quantity: Packing unit with 2 pieces)	225943 (Unit of quantity: Number)

Please note:
The changes also affect existing items.

Schüco ASE 60:
Automatically generated processes (MCO): Ventilation and drainage

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

In this connection, the following change has been made in the technical settings:

- In the technical settings, the *Cap type* property is now offered with the *Standard* and *Integrated in the profile* options under the *Drainage/ventilation* group. With this version, the corresponding processes and caps will be generated in accordance with your selection.

  Please note:
  The change also affects existing items.

Schüco ASS 50 and Schüco ASS 50.NI:
Replacement of articles to aid C2C certification

This version includes the following calculation changes:

	Old article	New article
Interlock profile	244664 244665	225865
Interlock profile	244666 244667	277669
Cover assembly (fitting)	227168	225868
Cover assembly (fitting)	227172	277474

Please note:
The changes also affect existing items.

Security systems (aluminium)

Schüco FireStop 90 FR 90:
CE classification test

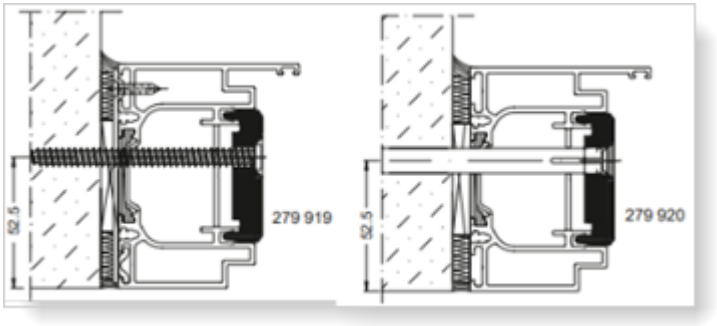
(As of 2025 R2 SP03)

In the new system, door components can now also be entered for external use. This makes it possible to perform a check regarding the selected performance characteristics for the classification of fire resistance, smoke protection and durability of the self-closing function (e.g. EI2 90, S200, C5).

Schüco FireStop door systems:
Outer frame fixings – Adapter for wall attachment (asymmetric)

(Schüco FireStop ADS 76.NI SP, FR 30, Schüco FireStop ADS 90 FR 30 and Schüco FireStop ADS 90 FR 90)

If you have selected the option *Construction-dependent (from technical settings)* for the *Fixing, outer frame* property in the technical settings, as of this version you can select other variants with the new articles 279919 (adapter for window screw) and 279920 (adapter for frame anchor) in the selection lists for the fixing of the door outer frame (top, left, right).

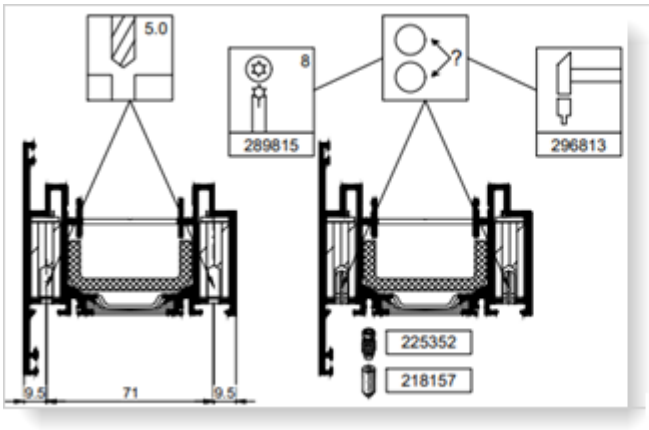


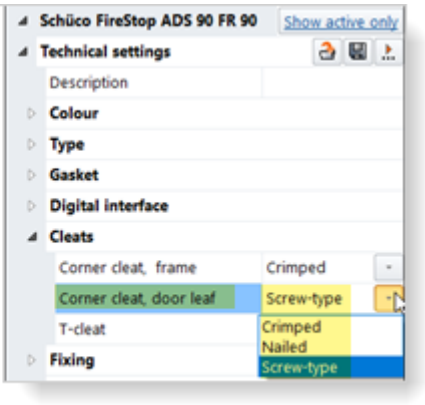
- Adapter plate with D10 x 112 mm frame anchor (asymmetric)
- Adapter plate with D10 x 132 mm frame anchor (asymmetric)
- Adapter plate with D10 x 152 mm frame anchor (asymmetric)
- Adapter plate with D10 frame anchor, prepared (asymmetric)

- Adapter plate with ST 6x120 window screw (asymmetric)
- Adapter plate with ST 6 window screw, prepared (asymmetric)

Schüco FireStop ADS 90 FR 90:
Nail holes for fixing isolators in the upper vent frame

As of this version, nail holes are generated in the upper vent profiles in the area of the glazing clips in accordance with K1022913, which serve to additionally secure the isolators against tipping out. Whether a nail Art. No. 218157 (crimped or nailed) or a screw Art. No. 225352 (screw-type) is calculated for these holes is determined by your technical setting for the *corner cleat, door leaf*.





Façades (aluminium)

Schüco AF VC:
New – "full-frame fixing" type

As of this version, the *Full-frame fixing* type can also be selected in the unit parameters for the non-ventilated façade.

Schüco AF UDC 80:
New – RC2 and RC3 resistance classes

As of this version, the *RC2* and *RC3* resistance classes can be selected in the unit parameters for the unitised façade. These options are only available for the units with *Standard* and *HI* thermal insulation.

Combination with the technical setting *Design* > *Pressure plates* > *Distance between holes of 500 mm* is not permitted.

Sun shading

Schüco CSB sun shading:
Mounted in front of FWS 50/60 – blocked

As of this version, Schüco CSB sun shading can no longer be entered for new items as a unit mounted in front of fields in the FWS 50/60 façade. The *Add CSB* context menu entry will no longer be offered. Existing items remain unchanged.

III. Steel design type

Changes to steel systems

Windows/doors (steel systems)

Successor articles for locks

Economy 50, Economy 50 stainless steel, Economy 60, Janisol, Janisol Arte, Janisol stainless steel systems.

The following locks have been replaced with new locks in the systems listed:

Old	New
550.190	555.066
550.191	555.067
550.192	555.068
550.193	555.069

Please note:
This change also affects existing items. New calculations will use the new locks.