

Profile system

- ☐ Glass folding door with highly thermally insulated aluminum profiles
- ☐ Bottom-loaded construction
- ☐ The construction depth of the profiles is 95 mm
- ☐ Rear-ventilated wooden cladding inside
- ☐ Option of flush or weathered bottom track
- ☐ The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- ☐ Panel open to the inside or outside
- ☐ Opening of panels by sliding to one side or to both sides
- ☐ Flush running and guide tracks
- ☐ Height variations and expansions may be compensated

Tests

- ☐ U_w up to 1,0 W/m²k (with glazing $U_g = 0,5$ W/m²k)
- ☐ Air permeability class 4 according to EN 1026
- ☐ Rain tightness class 9A according to EN 1027
- ☐ Resistance to wind load class B5/C4 according to EN 12210
- ☐ Airborne sound insulation value $R_w = 36$ dB according to DIN EN ISO 140-3
- ☐ Burglar-resistance up to resistance class 2 (WK2)

Fittings

- ☐ All fittings are concealed within the profiles
- ☐ Low-maintenance, non-corroding and failsafe hardware components
- ☐ Locking of panels in top and bottom track and/or via mushroom head-lock engaging into the frame or adjacent panel
- ☐ Locking and unlocking of panels via flat handles with locking device for burglar resistance
- ☐ Optionally fitted with different lock types
- ☐ Hinges are secured against knocking-out of the pivot pins (burglar resistance)
- ☐ An open turn panel may be securely fixed to the adjacent panel by panel catchers

Running assembly

- ☐ Easy adjustment due to a height-adjustable carriage system
- ☐ The running assemblies are located above the water drainage area
- ☐ Low-noise, wear-, heat- and cold-resistant rollers

Sealing and ventilation

- ☐ Using EPDM gaskets at two levels guarantees rain- and wind-proofness

Glazing

- ☐ Glazing configuration 40 mm
- ☐ Subsequent replacement of panes without difficulty



Testreport No.23-21/09E, No. 40-12/12 and No. 40-13/12



Testreport ATT 11.11.801.01



tested SUNFLEX Quality

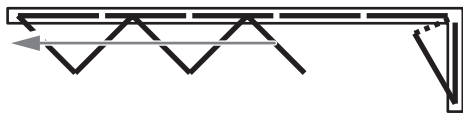
SG - Bauakustik
Institut für schalltechnische Produktoptimierung



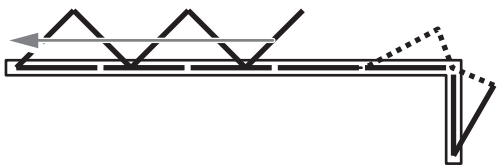
Testreport 1286-001-10

Corner angles 90°-180° with or without corner post (only available with special corner post/special design!)

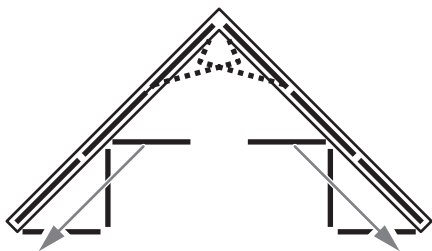
Typ I



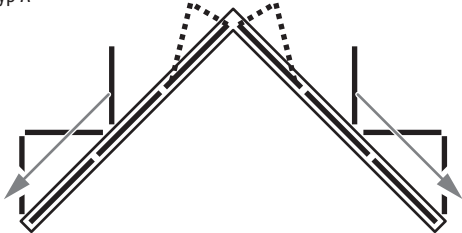
Typ A



Typ I

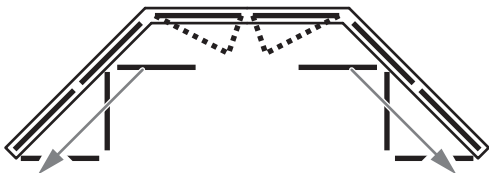


Typ A

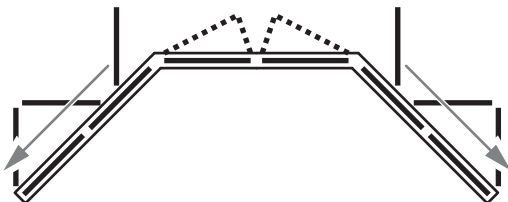


Corner angles 90°-180° (only available with special corner post/special design!)

Typ I



Typ A



Other floor plan geometries upon request

Typ A = Outward opening of panels Typ I = Inward opening of panels



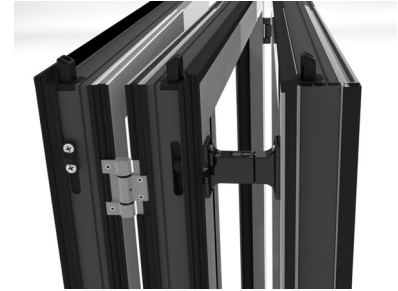
Safety

The panels are locked and unlocked by means of a user-friendly single-handed manipulation of robust flat handles. For additional safety, different types of locks are available.



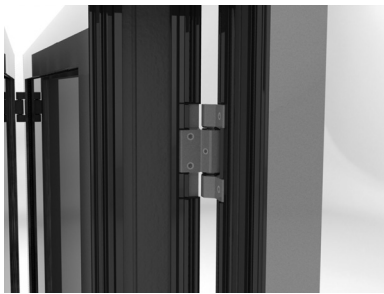
Mushroom head lock

For optimal tightness and burglar resistance the doorway panel (turn panel) is laterally being connected to the frame or the adjacent panel through a mushroom head lock.



Safety function panel catcher

In any opening position of the folding system an open turn panel may be safely locked to the adjacent panel by means of safety function panel catchers and be carried along in a controlled way.



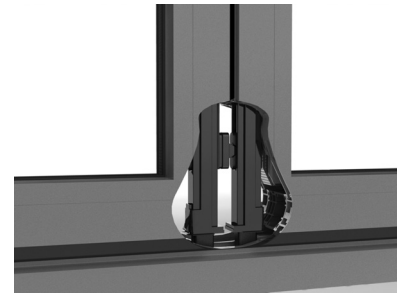
Burglar resistance

All external hinges are additionally secured by means of a safety screw against knocking out of the hinge bolts.



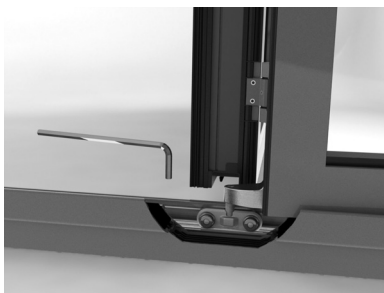
Proper handle series

Handles matching the profile design guarantee a harmonized overall picture of the folding system in closed state and a small panel package in open state.



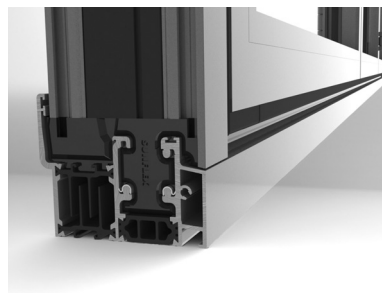
Twin-Lock locking mechanism

To guarantee additional safety, the optionally available twin-lock locking mechanism offers a maximum of security.



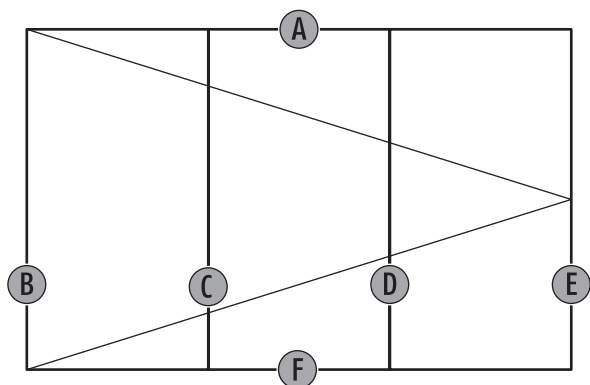
Height compensation

The height of the installed folding system may be easily adjusted by a few hand grips, only – this is important in case of eventual structure sagging.

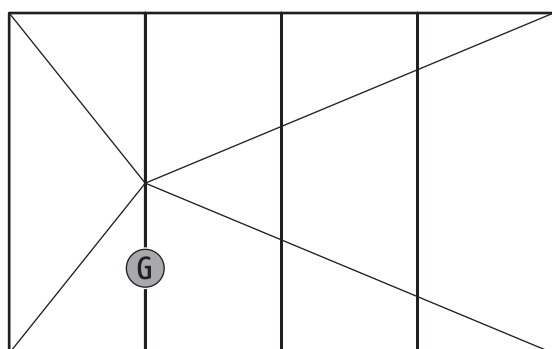


Assembly

The assembly shoes allow a fast and trouble-free assembly of the frame and a fine adjustment of the vertical frame profiles in the closing range.

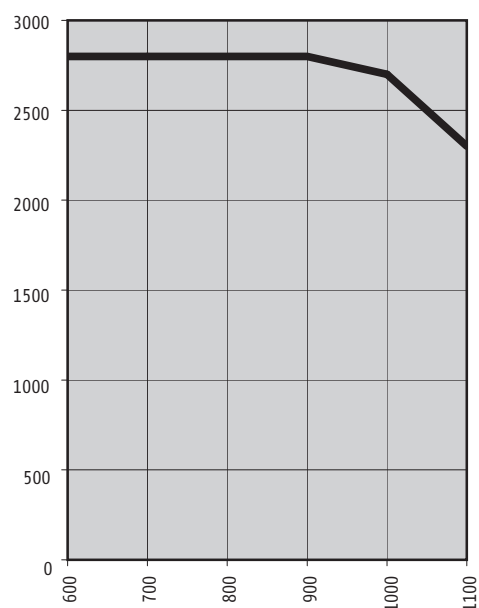


Details at even panel partition in one direction



Details at even and uneven panel partition in two directions

Panel size diagram



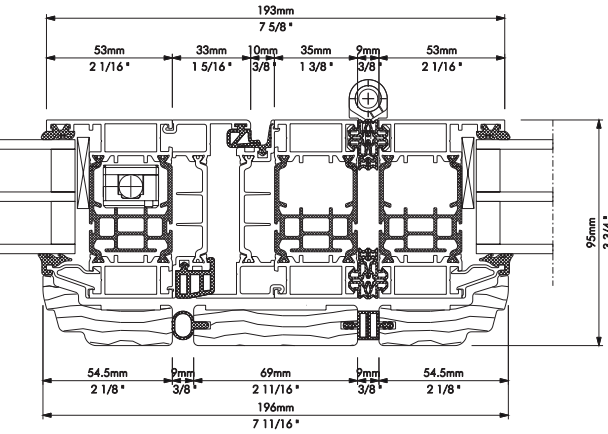
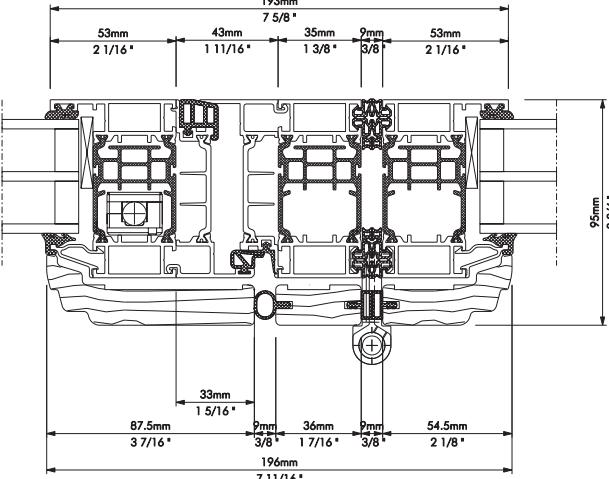
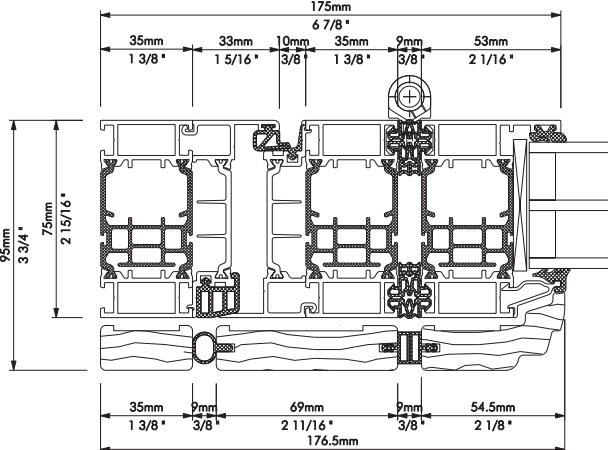
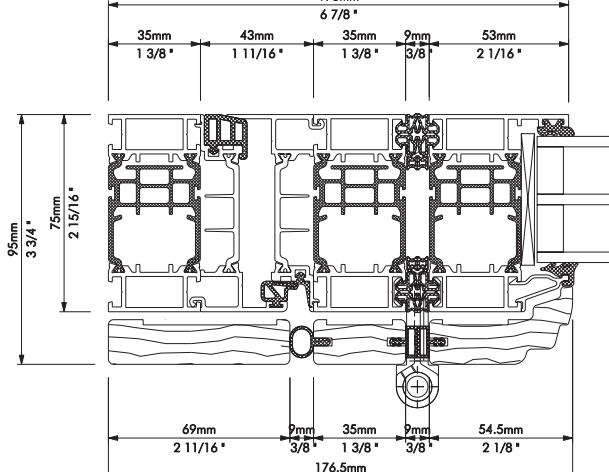
Ref.	Section	Description	Page
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A	SF75c-002	Vertical-Section, connection top track / inside folding	5
A	SF75c-004	Vertical-Section, connection top track / outside folding	6
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E	SF75c-102	Horizontal-Section, blind frame – panel closing section / outside folding	6
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E	SF75c-117	Horizontal-Section, blind frame – panel closing section incl. sliding post (e.g. 2R) / outside folding	9
E	SF75c-118	Horizontal-Section, blind frame – panel closing section incl. sliding post (e.g. 2R) / inside folding	9
--	SF75c-119	Horizontal-Section, profil section – sliding post(e.g. 2L/2R) / outside folding	10
--	SF75c-120	Horizontal-Section, profil section – sliding post(e.g. 2L/2R) / inside folding	10

<div data-bbox="167 168 207 212"> </div> <div data-bbox="223 201 558 1030"> <p>classic</p> <p>modern (soft)</p> <p>squared</p> </div> <div data-bbox="167 560 199 638" style="writing-mode: vertical-rl; transform: rotate(180deg);">OUTSIDE</div> <div data-bbox="774 560 805 638" style="writing-mode: vertical-rl; transform: rotate(180deg);">INSIDE</div>	<div data-bbox="829 168 869 212"> </div> <div data-bbox="885 392 1396 884"> </div> <div data-bbox="829 560 861 638" style="writing-mode: vertical-rl; transform: rotate(180deg);">OUTSIDE</div> <div data-bbox="1436 560 1468 638" style="writing-mode: vertical-rl; transform: rotate(180deg);">INSIDE</div>
<div data-bbox="159 1052 558 1131"> Description: Vertical-Section, timber clad designs (classic, modern (soft), squared) </div> <div data-bbox="574 1052 798 1131"> System: SF75c Detail-No.: SF75c-000 </div>	<div data-bbox="821 1052 1220 1131"> Description: Vertical-Section, connection bottom track / inside folding </div> <div data-bbox="1236 1052 1460 1131"> System: SF75c Detail-No.: SF75c-001 </div>
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<div data-bbox="159 2038 558 2116"> Description: Vertical-Section, connection bottom track / outside folding </div> <div data-bbox="574 2038 798 2116"> System: SF75c Detail-No.: SF75c-003 </div>	<div data-bbox="821 2038 1220 2116"> Description: Vertical-Section, connection top track / inside folding </div> <div data-bbox="1236 2038 1460 2116"> System: SF75c Detail-No.: SF75c-002 </div>

<p>A</p>	<p>E</p> <p>OUTSIDE</p> <p>INSIDE</p>
<p>Description: Vertical-Section, connection top track / outside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-004</p>	<p>Description: Horizontal-Section, blind frame - panel closing section / inside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-101</p>
<p>E</p> <p>OUTSIDE</p> <p>INSIDE</p>	<p>C</p> <p>OUTSIDE</p> <p>INSIDE</p>
<p>Description: Horizontal-Section, blind frame - panel closing section / outside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-102</p>	<p>Description: Horizontal-Section, panel - panel / hinge outside</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-103</p>

<div data-bbox="167 168 207 212">C</div> <div data-bbox="443 168 523 197">OUTSIDE</div> <div data-bbox="443 1003 523 1032">INSIDE</div>	<div data-bbox="829 168 869 212">E</div> <div data-bbox="1109 168 1189 197">OUTSIDE</div> <div data-bbox="1109 1003 1189 1032">INSIDE</div>
<div data-bbox="167 1059 566 1115">Description: Horizontal-Section, panel - panel / hinge inside</div> <div data-bbox="574 1059 805 1137">System: SF75c Detail-No.: SF75c-104</div>	<div data-bbox="829 1059 1228 1137">Description: Horizontal-Section, vertical post - panel / hinge inside</div> <div data-bbox="1236 1059 1468 1137">System: SF75c Detail-No.: SF75c-105</div>
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<div data-bbox="167 2045 566 2123">Description: Horizontal-Section, vertical post - panel / hinge outside</div> <div data-bbox="574 2045 805 2123">System: SF75c Detail-No.: SF75c-106</div>	<div data-bbox="829 2045 1228 2123">Description: Horizontal-Section, midrail</div> <div data-bbox="1236 2045 1468 2123">System: SF75c Detail-No.: SF75c-107</div>

<div><div>G</div><div>OUTSIDE</div><div>INSIDE</div></div>		<div><div>E</div><div>OUTSIDE</div><div>INSIDE</div></div>	
Description: Horizontal-Section, panel - panel closing section		Description: Horizontal-Section, frame extension 35 mm	
System: SF75c		System: SF75c	
Detail-No.: SF75c-108		Detail-No.: SF75c-109	
<div><div>E</div><div>OUTSIDE</div><div>INSIDE</div></div>		<div><div>E</div><div>OUTSIDE</div><div>INSIDE</div></div>	
Description: Horizontal-Section, frame extension 70 mm		Description: Horizontal-Section, sliding post / hinge inside	
System: SF75c		System: SF75c	
Detail-No.: SF75c-110		Detail-No.: SF75c-121	

<div data-bbox="172 174 209 210" data-label="Text">D</div> <div data-bbox="448 174 523 197" data-label="Text">OUTSIDE</div>  <div data-bbox="448 1010 523 1032" data-label="Text">INSIDE</div> <div data-bbox="164 1059 560 1133" data-label="Text"> <p>Description: Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / outside folding</p> </div> <div data-bbox="579 1059 775 1133" data-label="Text"> <p>System: SF75c Detail-No.: SF75c-115</p> </div>	<div data-bbox="834 174 871 210" data-label="Text">E</div> <div data-bbox="1114 174 1189 197" data-label="Text">OUTSIDE</div>  <div data-bbox="1114 1010 1189 1032" data-label="Text">INSIDE</div> <div data-bbox="826 1059 1222 1133" data-label="Text"> <p>Description: Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / inside folding</p> </div> <div data-bbox="1241 1059 1437 1133" data-label="Text"> <p>System: SF75c Detail-No.: SF75c-116</p> </div>
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