

Flexica

Office Partitions

Technical guide



Flexica is the most flexible office partition on the market and the wide range of solutions makes it suitable for office environments, focusing on flexibility.

Flexica has a narrow horizontal transom that divides the wall into panels. There are many solutions within the Flexica range and the panels can either be glass, plasterboard or MDF panels covered with vinyl, veneer or steel.

Apart from being a flexible, relocatable office partition, Flexica can be combined with other Triplan product ranges which adds to the flexibility since the system can be adapted to any change made inside the building. Quick noise- and dust-free assembly and relocation without the use of special-purpose tools.

Flexica is available in wall thickness from 75 to 165mm with an Rw sound reduction from 28 to 54 dB. Tests have shown that Flexica meets fire requirements for up to two hours. Please, refer to the technical specifications for further details.

Module system

Like all product lines in the Triplan system, Flexica is a modular office partition. The standard widths of the wall modules are 300, 450, 600, 900 or 1200mm, but the modules are also made to measure in widths from 200 to 1500mm. The standard widths of the door modules are 900 and 1000mm for single doors and 1200, 1500 and 1730mm for double doors.



Glass modules

Modules are available with single or double glazing. Using the Flexica venetian blind solution, open, bright environments can quickly be shielded to create more discreet surroundings. Flexica is available with different glass types, for example in sun-screened, screen-printed and hardened glass.

Modules with panels

Panels for modules are available in different surfaces, such as MDF boards or plasterboard covered with wallpaper, metal or veneer, or in custom made surfaces. Flexica offers many solutions

Joints

Omega sections are the standard vertical joint sections for Flexica. The narrower Aspira section is available for plasterboard or panel partitions, as required.

Shelves, cabinets, rails for whiteboards, etc. can be hung onto the sections.

Combined Triplan systems

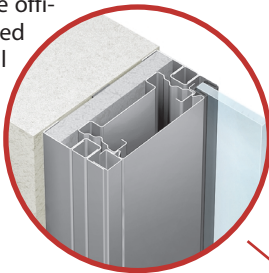
Flexica consists of the same basic components as the other product ranges in the Triplan system and can therefore be combined with these ranges; for example when a panel wall needs to be extended, or with Flexica facing the corridor and Ventura facing the office.

A wide range of joint sections for modules, panels and doors as well as for fixing to ceilings, walls and floors are available for Flexica.

The simplest joint sections are shown here.

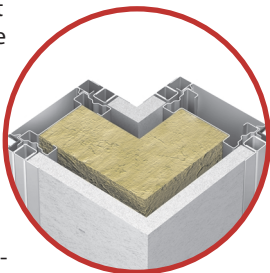
Fixing to walls

Fixing to the existing walls of the building, perpendicular to them or as end-to-end solutions. Here, the office partition is fixed to the existing wall using a close-fitting F-section.



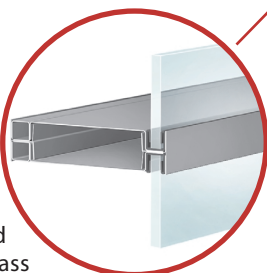
Corner solutions

30°, 45°, 60° and 90° corner joint sections are available as well as a flexible corner solution with variable angles. The 90° sections also come in several, rounded versions.



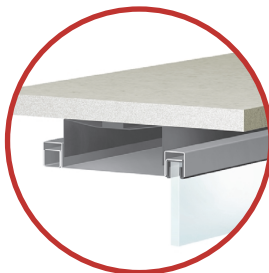
Transoms

The height of the modules can be divided into boards and glass panels. Design as required.



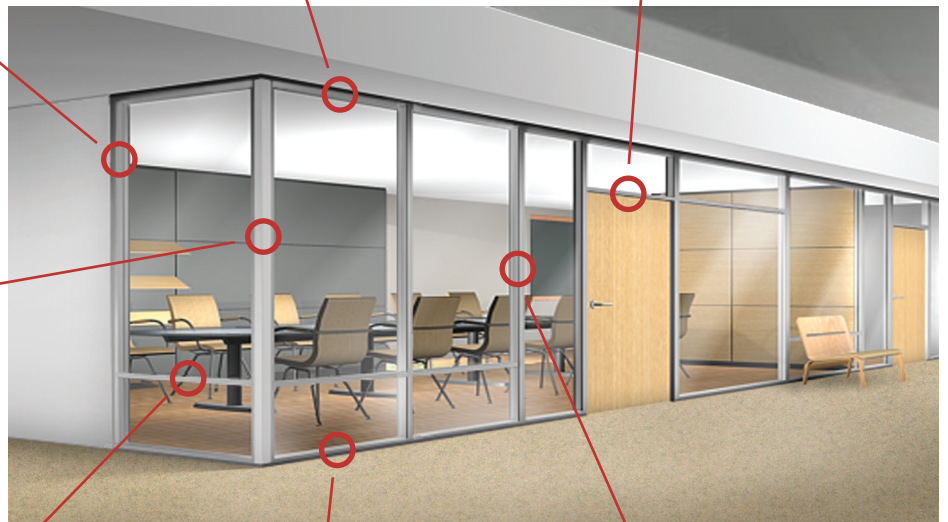
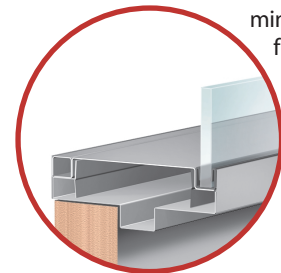
Top solutions

Fixing to the ceiling using simple and stable structures. Also solution for suspended ceilings. The solution shown is designed with a shadow section.



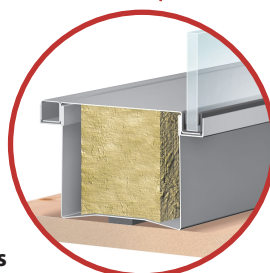
Door solutions

The Flexica range allows integration of a variety of frame and door solutions, such as glass and wooden doors in custom made dimensions and with steel, aluminium and wooden frames.



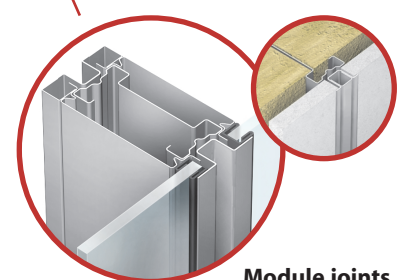
Base solutions

Fixing to floors using simple and stable structures. The solution shown is provided with a 60mm base track. Levelling solutions for sloping floors as well as a variety of skirtings are available.

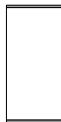
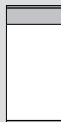

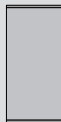







Module joints

Omega sections are the standard vertical joint sections for Flexica. The narrower Aspira section is available for plasterboard or panel partitions, as required. The joint can be closed using an infill section or an optional cover cap.

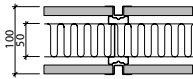
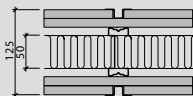
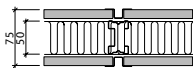
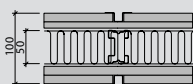
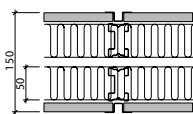
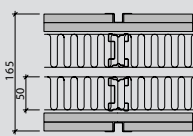
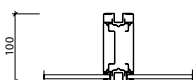
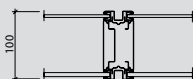
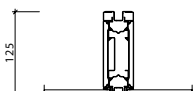
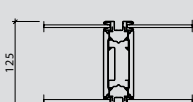


Flexica - Module types

Module type		Module surface	Standard module widths mm	Width mm	Height* mm	Module thickness mm (walltype)
	Module A Solid panel	Panel: Boards with wallpaper or laminate, veneer, or as required.	450	max. 1250	*	75 (TF2-11)
			600			100 (TF1-11,TF2-12)
			900			125 (TF1-12)
			1200			150 (TF2-21)
						165 (TF2-22)
	Module B Two-part module with optional panel division. With glass in the upper panel as standard.	Panel: Boards with wallpaper or laminate, veneer, single or double glazing, or as required.	450	max. 1250	*	75 (TF2-11)
			600			100 (TF1-11,TF2-12)
			900			125 (TF1-12)
			1200			
	Module C Two-part module with optional panel division. With glass in the middle panel as standard.	Panel: Boards with wallpaper or laminate, veneer, single or double glazing, or as required.	450	max. 1250	*	75 (TF2-11)
			600			100 (TF1-11,TF2-12)
			900			125 (TF1-12)
			1200			
	Module D Glass panel	Panel: Single or double glazing.	450	max. 1500	*	100 (TF1-11)
			600			125 (TF1-12)
			900			
			1200			
	Module E Two-part module with optional panel division. With glass in the lower panel as standard.	Panel: Boards with wallpaper or laminate, veneer, single or double glazing, or as required.	450	max. 1500	*	100 (TF1-11,TF2-12)
			600			125 (TF1-12)
			900			
			1200			
	Module F Three-part module with optional panel division. With glass in the middle and lower panels as standard.	Panel: Boards with wallpaper or laminate, veneer, single or double glazing, or as required.	450	max. 1500	*	100 (TF1-11,TF2-12)
			600			125 (TF1-12)
			900			
			1200			
	Module L Door module Fixed upper panel as standard.	Panel: Boards with wallpaper or laminate, veneer or as required. Door: Surface-treated, painted wood, veneer or glass. Casing: Wood or steel.	900	min. 750	*	100 (TF1-11,TF2-12)
			1000	max. 2000		125 (TF1-12)
			1730			door max. 3200
	Module N Door module. With glass in the upper panel as standard.	Panel: Single or double glazing. Door: Surface-treated, painted wood, veneer or glass. Casing: Wood or steel.	900	min. 750	*	100 (TF1-11,TF2-12)
			1000	max. 2000		125 (TF1-12)
			1730	(double door)		door max. 3200
	Module P Full-height door module.	Door: Surface-treated, painted wood, veneer or glass. Casing: Wood or steel.	900	min. 750	max. 3600	100 (TF1-11,TF2-12)
			1000	max. 1930		125 (TF1-12)
			1730	(double door)		

* depending on the type of wall.

Flexica - Wall types

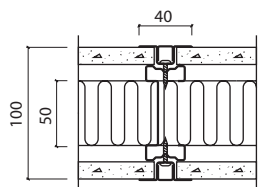
Wall type	Description	Thickness mm	Weight Kg/m ²	Insulation mm	Sound attenuation Rw dB*	Fire class min.	Post mm
	Flexica type TF1-11						
	TF1-11/30	100	30	50	44	BS30	72
	TF1-11/60	100	32	75	44	BS60	72
	100mm single wall, consisting of a 72mm steel frame structure with a plaster board on each side. Insulated using 50 or 75mm mineral wool.						
	Flexica type TF1-12	125	48	50	49	BS60	72
	125mm single wall, consisting of a 72mm steel frame structure with a plaster board on each side. Insulated using 50mm mineral wool.						
	Flexica type TF2-11	75	30	50	44	BS30	49
	75mm single wall, consisting of a 49mm steel frame structure with a plaster board on each side. Insulated using 50mm mineral wool.						
	Flexica type TF2-12	100	48	50	49	BS60	49
	100mm single wall, consisting of a 49mm steel frame structure with two plaster boards on each side. Insulated using 50mm mineral wool.						
	Flexica type TF2-21	150	32	2x50	50	BS90	2x49
	150mm double wall, consisting of two 49mm steel frame structures with a plaster board on each side. Insulated using 2x50mm mineral wool.						
	Flexica type TF2-22	165	50	2x50	54	BS120	2x49
	165mm double wall, consisting of two 49mm steel frame structures with two plaster boards on each side. Insulated using 2x50mm mineral wool.						
	Flexica type TF-1 glas	100	18	-	30-38*	-	72
	100mm wall, consisting of a 72mm steel frame structure with glass on one side.						
	Flexica type TF-2 glas	100	29	-	39-43	-	72
	100mm wall, consisting of a 72mm steel frame structure with glass on both sides.						
	Flexica type TF-1 glas	125	19	-	30-38*	-	72
	125mm wall, consisting of a 72mm steel frame structure with glass on one side.						
	Flexica type TF-2 glas	125	30	-	39-43	-	72
	125mm wall, consisting of a 72mm steel frame structure with glass on both sides.						

* Values obtained in improved walls.

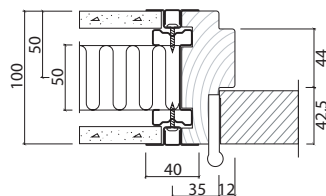
Module joints

Module joints

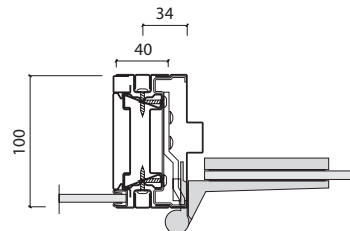
Module joints



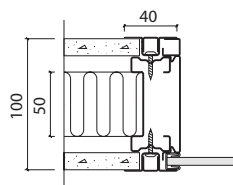
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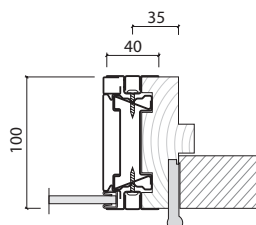
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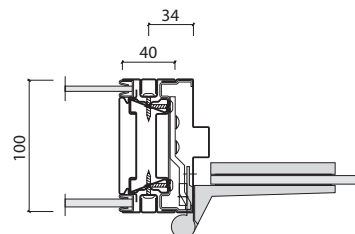
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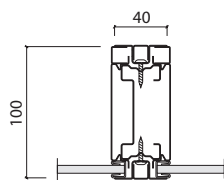
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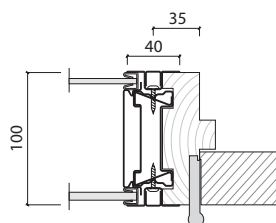
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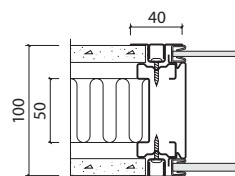
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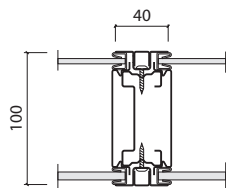
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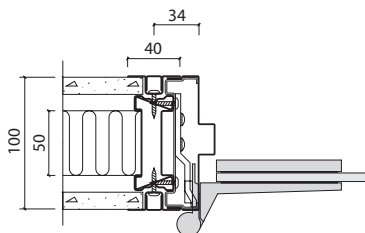
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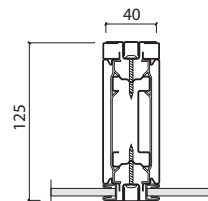
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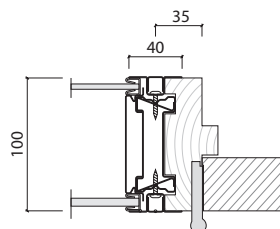


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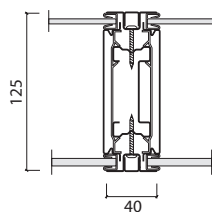
Module joints

Module joints

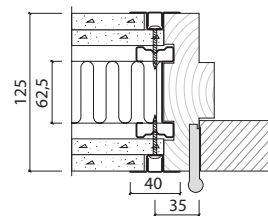
Module joints



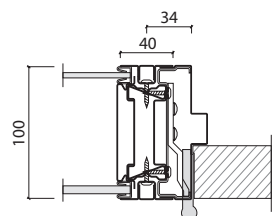
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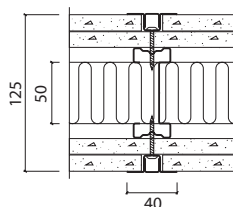
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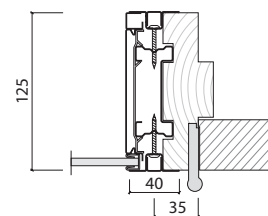
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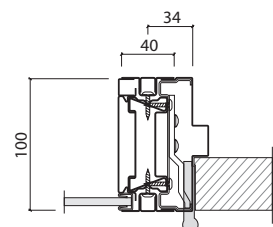
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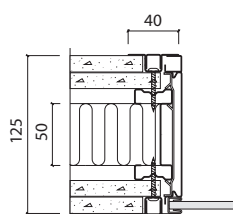
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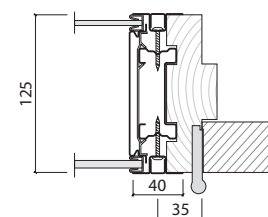
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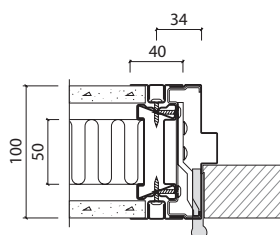
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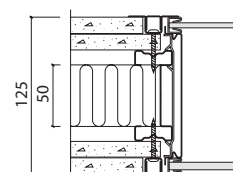
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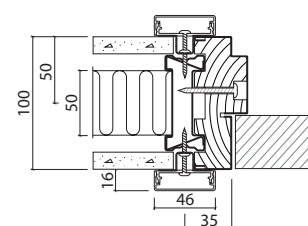
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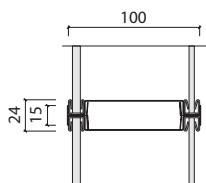


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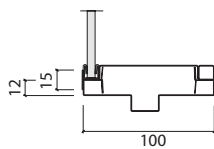
Panel joints

Panel joints

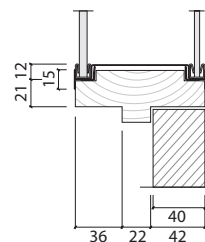
Panel joints



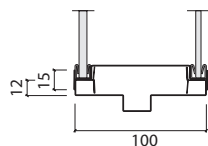
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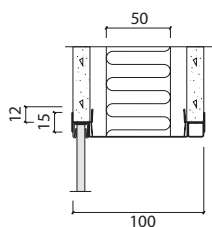
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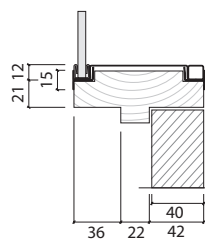
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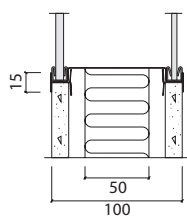
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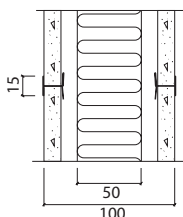
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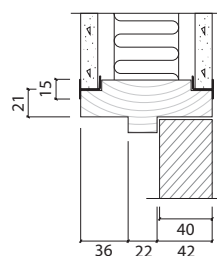
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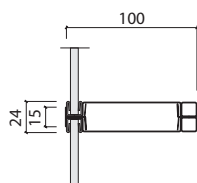
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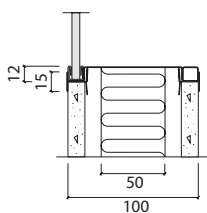
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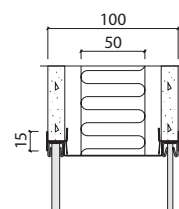
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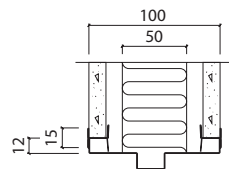
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TF

Flexica

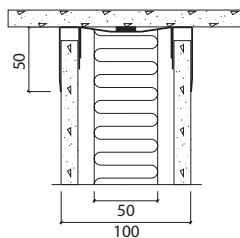
Flexica - Sectional views

Panel joints

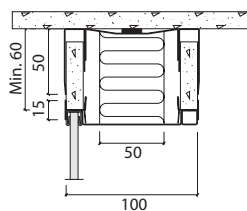


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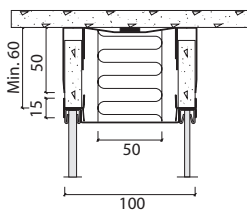
Top solutions



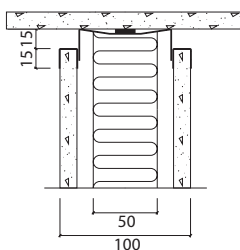
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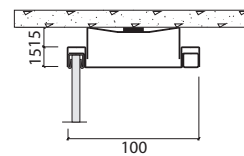


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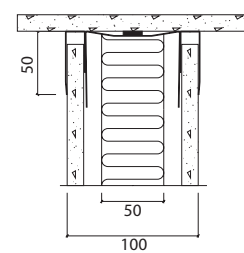


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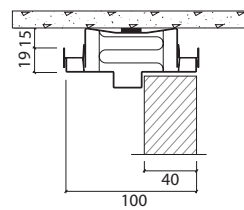
Top solutions



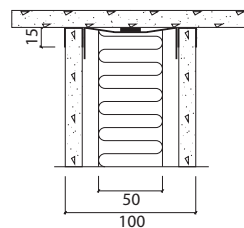
210.20.1005



210.20.1012



210.20.1013



210.20.1018

TF

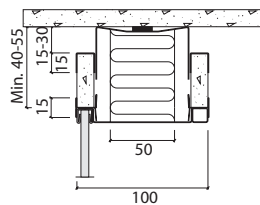
Flexica

Flexica - Sectional views

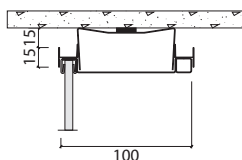
Top solutions

Top solutions

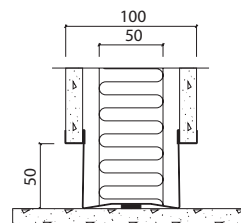
Base solutions



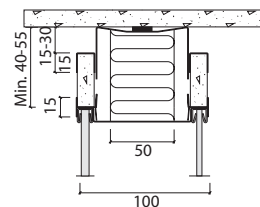
210.20.1020



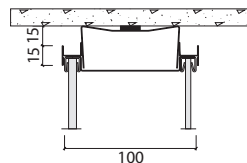
210.20.1025



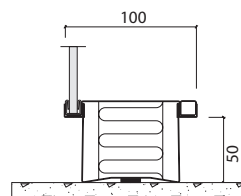
210.30.1001



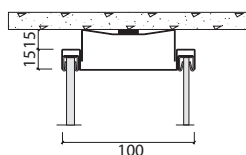
210.20.1021



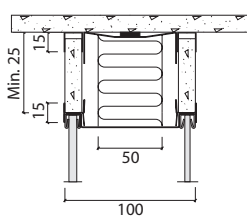
210.20.1026



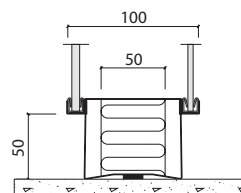
210.30.1002



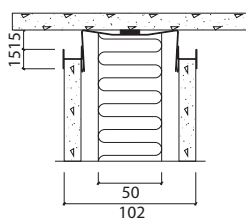
210.20.1023



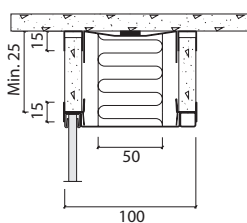
210.20.1027



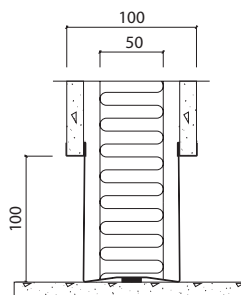
210.30.1003



210.20.1024



210.20.1028



210.30.1004

TF

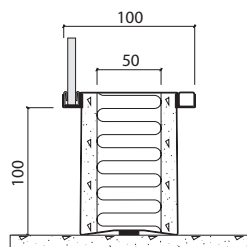
Flexica

Flexica - Sectional views

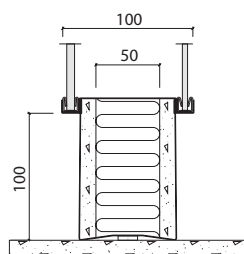
Base solutions

Fixing to walls

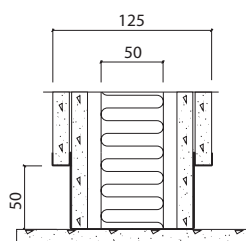
Fixing to walls



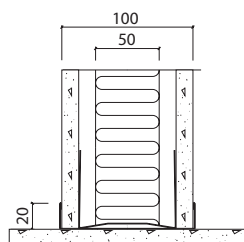
210.30.1005



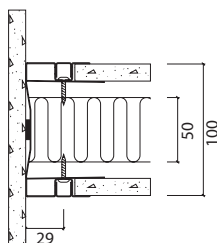
210.30.1006



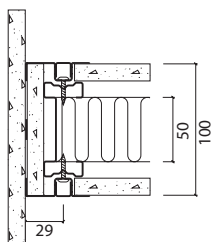
210.30.1011



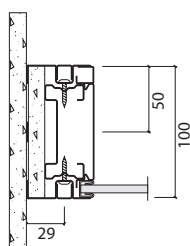
210.30.1012



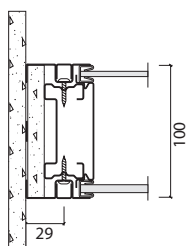
210.40.1001



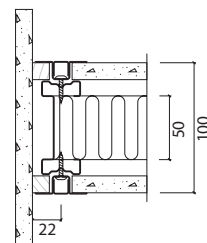
210.40.1002



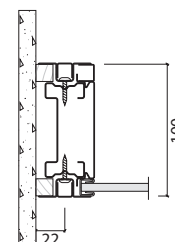
210.40.1003



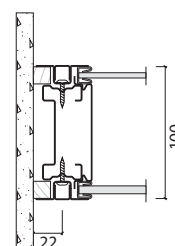
210.40.1004



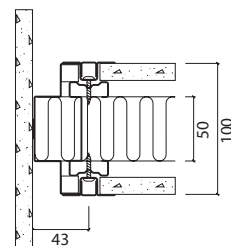
210.40.1005



210.40.1006



210.40.1007



210.40.1008

TF

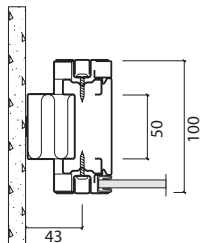
Flexica

Flexica - Sectional views

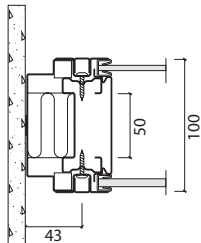
Fixing to walls

Fixing to walls

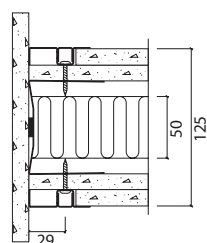
Fixing to walls



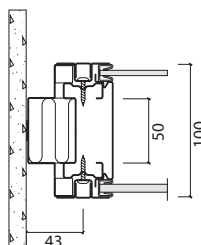
210.40.1009



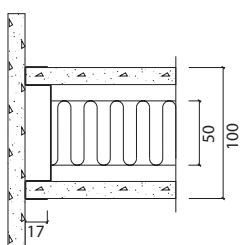
210.40.1013



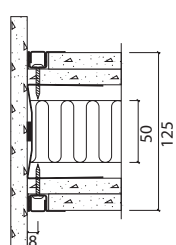
210.40.1017



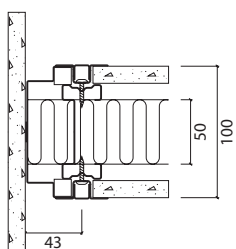
210.40.1010



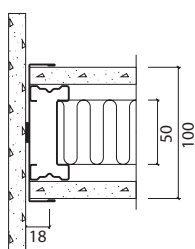
210.40.1014



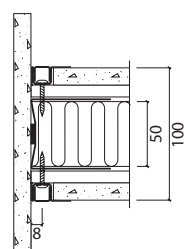
210.40.1018



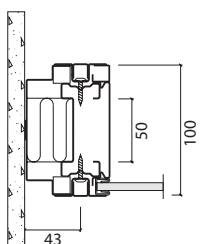
210.40.1011



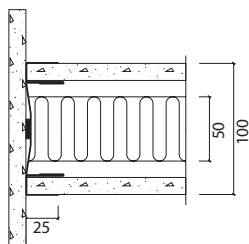
210.40.1015



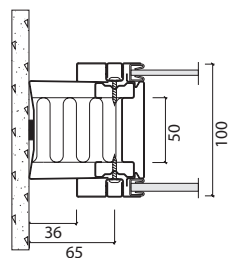
210.40.1019



210.40.1012



210.40.1016



210.40.1020

TF

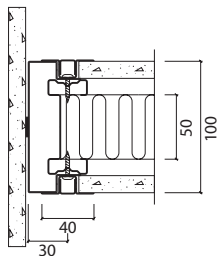
Flexica

Flexica - Sectional views

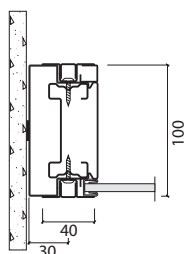
Fixing to walls

T-joints

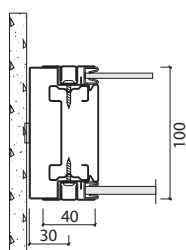
T-joints



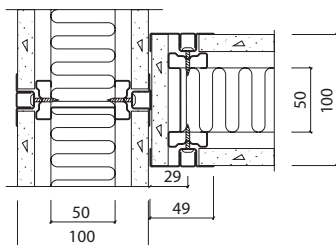
210.40.1021



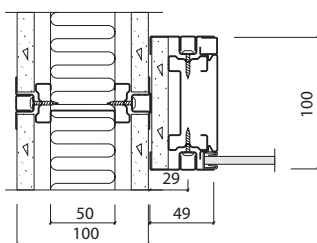
210.40.1022



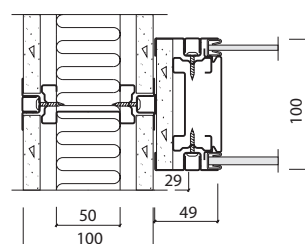
210.40.1023



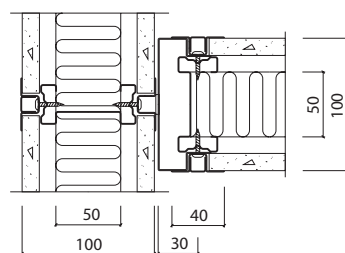
210.50.1002



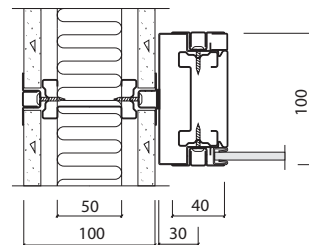
210.50.1003



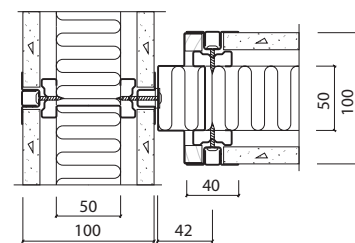
210.50.1004



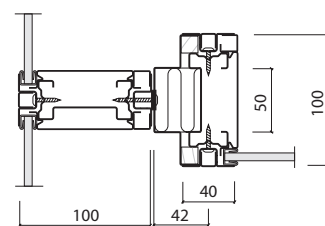
210.50.1005



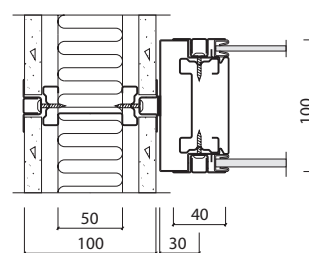
210.50.1006



210.50.1007



210.50.1008



210.50.1009

TF

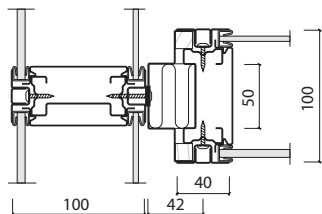
Flexica

Flexica - Sectional views

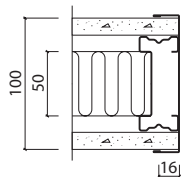
T-joints

End solutions

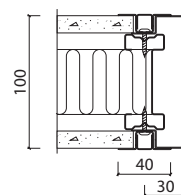
End solutions



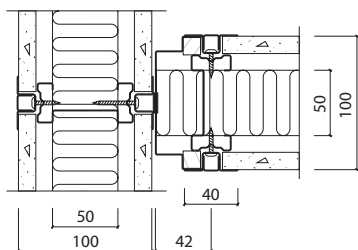
210.50.1010



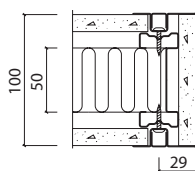
210.60.1001



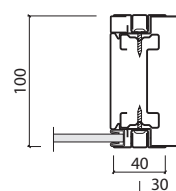
210.60.1005



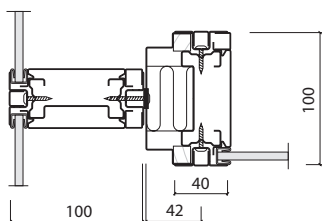
210.50.1011



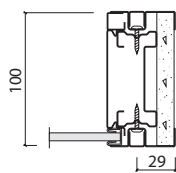
210.60.1002



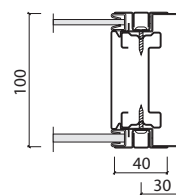
210.60.1006



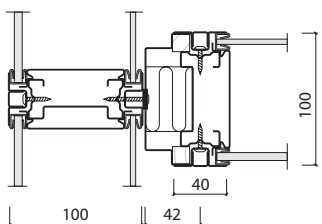
210.50.1012



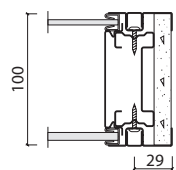
210.60.1003



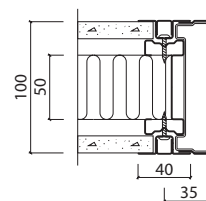
210.60.1007



210.50.1013



210.60.1004



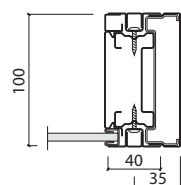
210.60.1008

TF

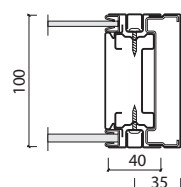
Flexica

Flexica - Sectional views

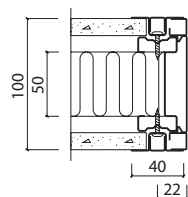
End solutions



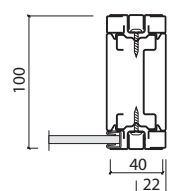
210.60.1009



210.60.1010

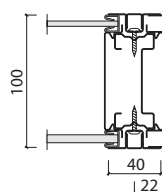


210.60.1011



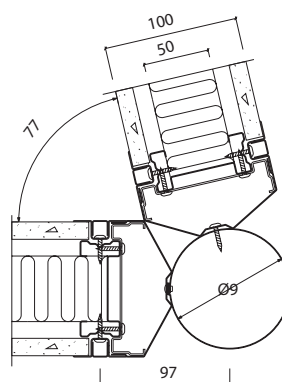
210.60.1012

End solutions

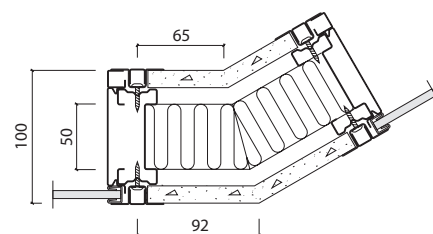


210.60.1013

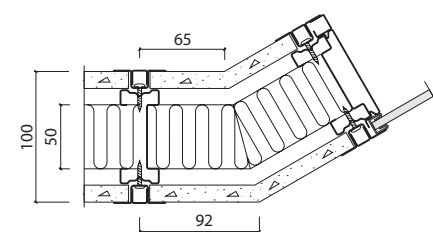
Corner joints



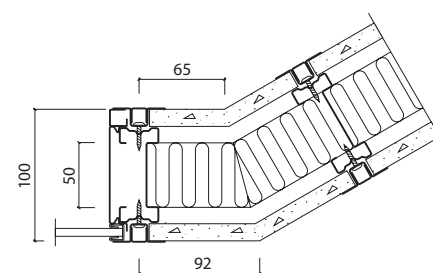
210.70.1002



210.73.1001



210.73.1002

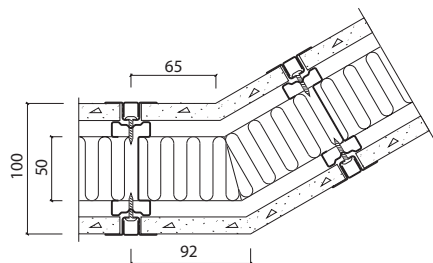


210.73.1003

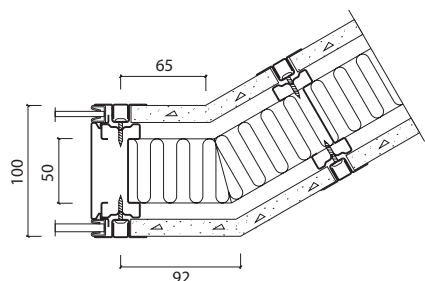
Corner joints

Corner joints

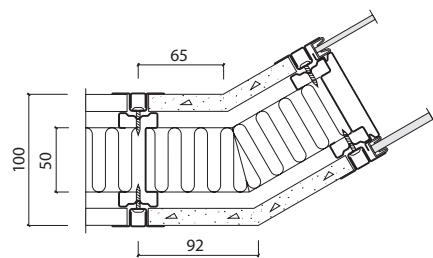
Corner joints



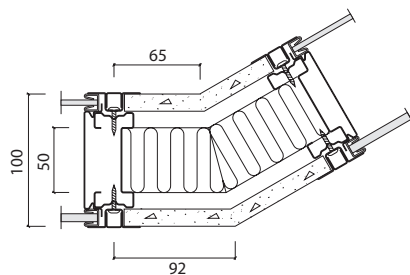
210.73.1004



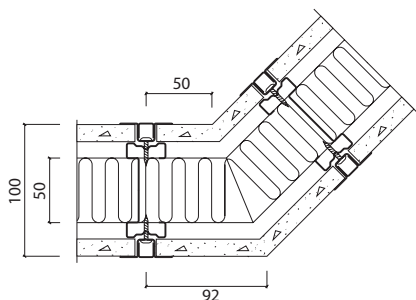
210.73.1005



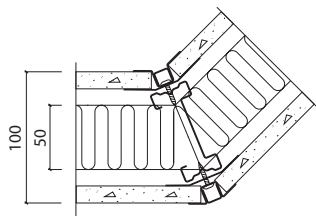
210.73.1006



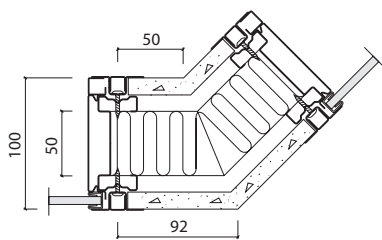
210.73.1007



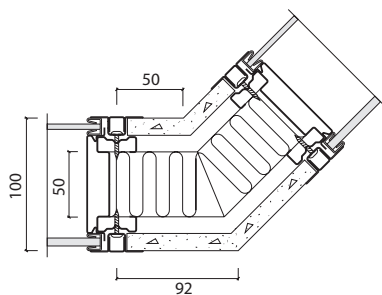
210.74.1001



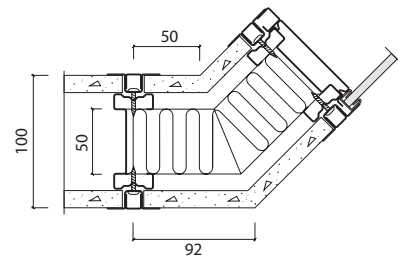
210.74.1002



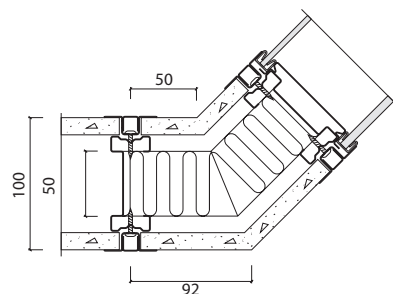
210.74.1003



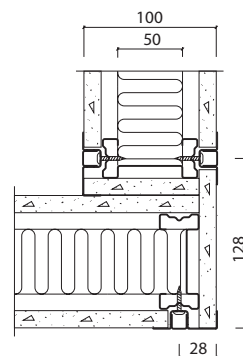
210.74.1004



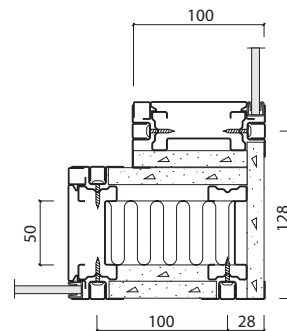
210.74.1005



210.74.1006



210.79.1001



210.79.1002

TF

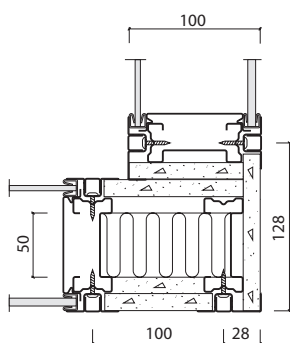
Flexica

Flexica - Sectional views

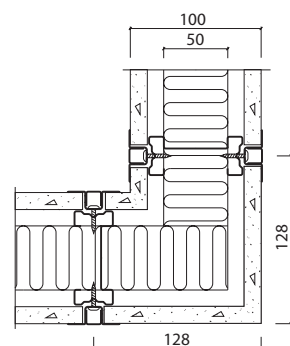
Corner joints

Corner joints

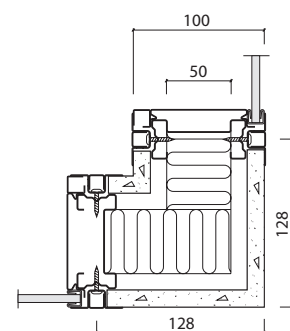
Corner joints



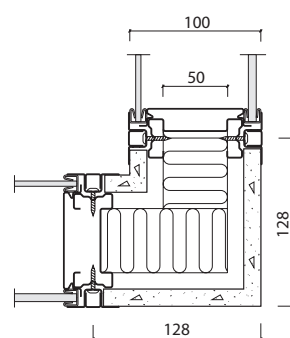
210.79.1003



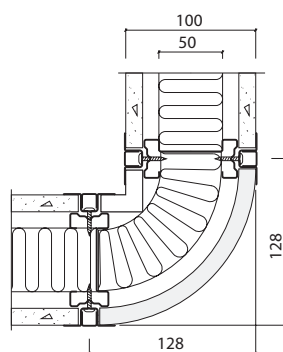
210.79.1004



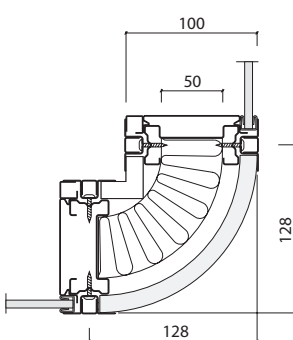
210.79.1005



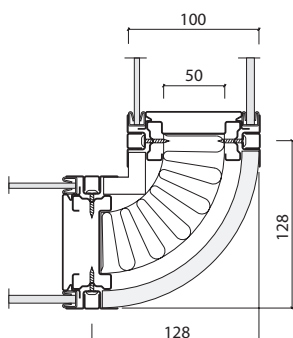
210.79.1006



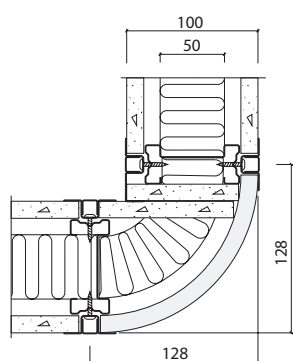
210.79.1010



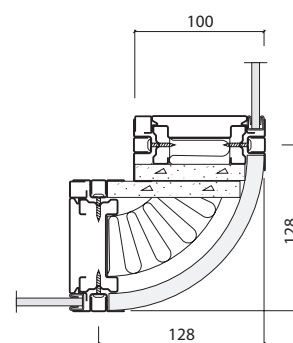
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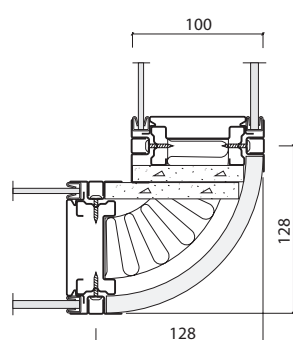
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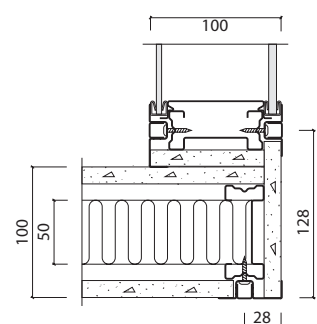
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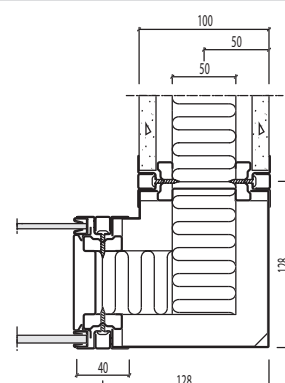
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210.79.1015



210.79.1018

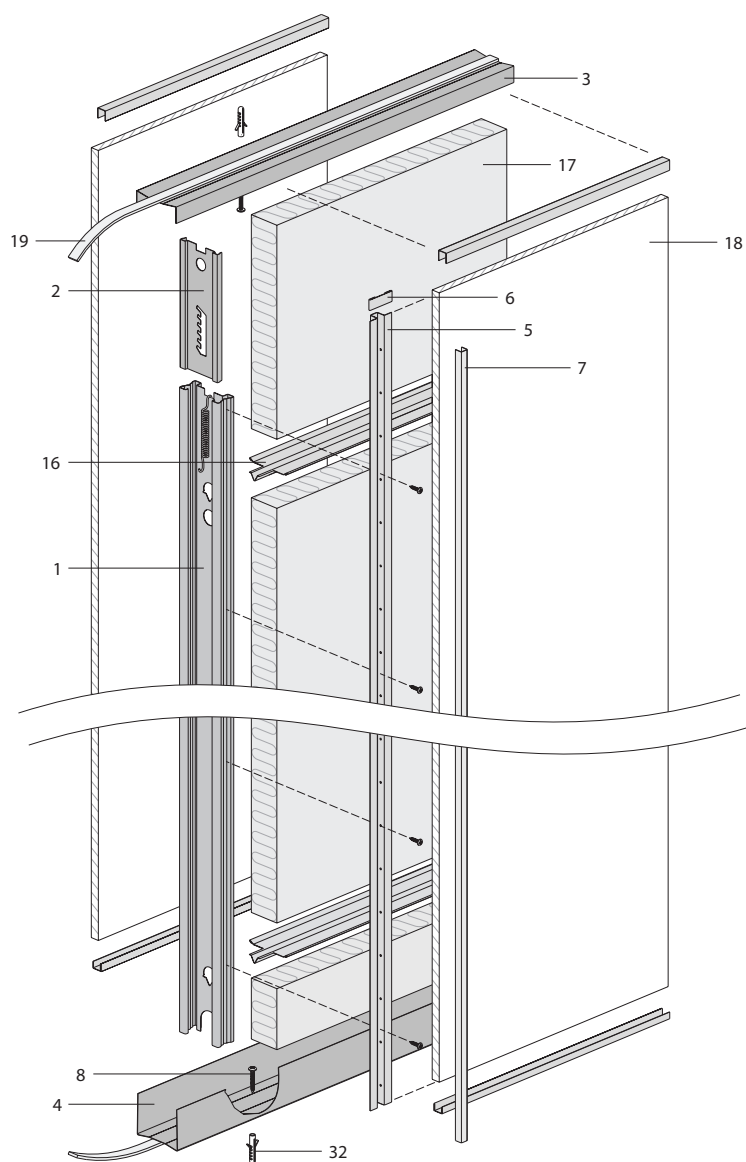


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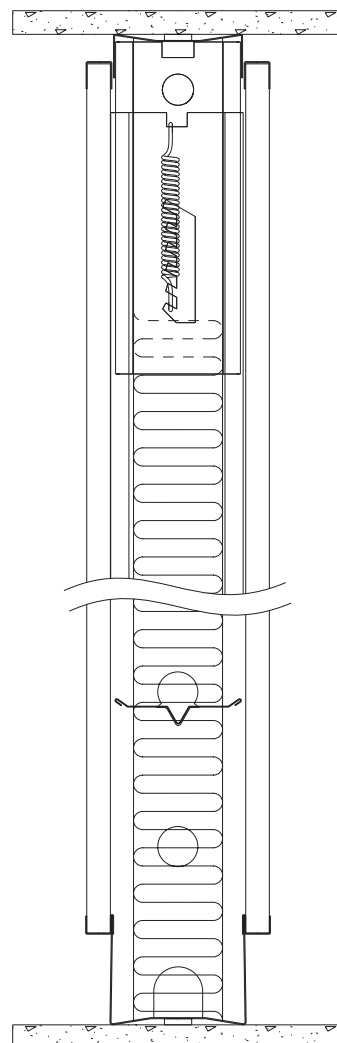
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Flexica

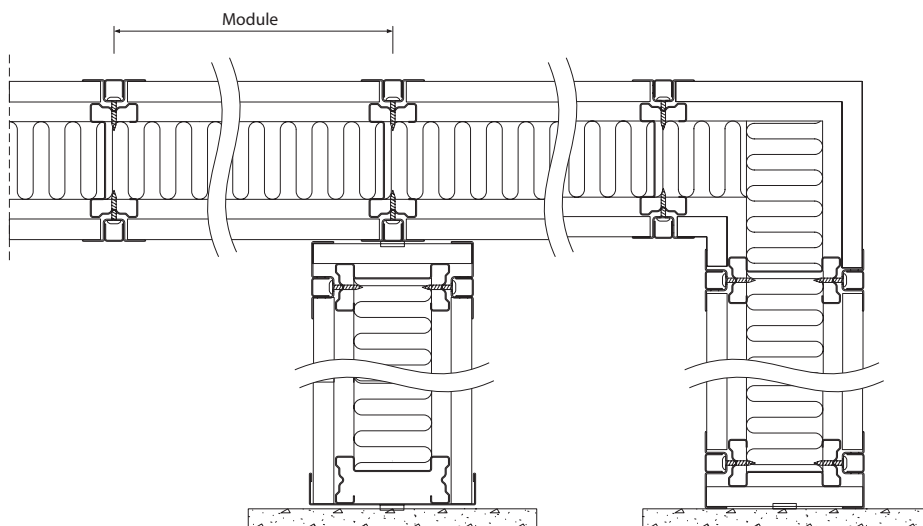
Flexica - Sheet module

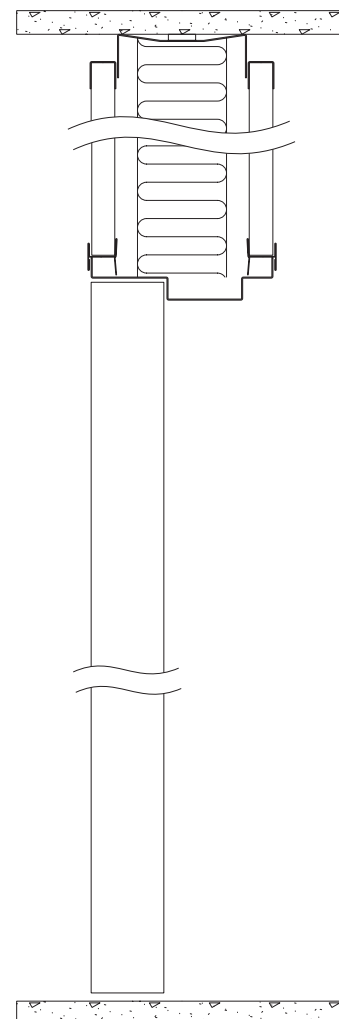
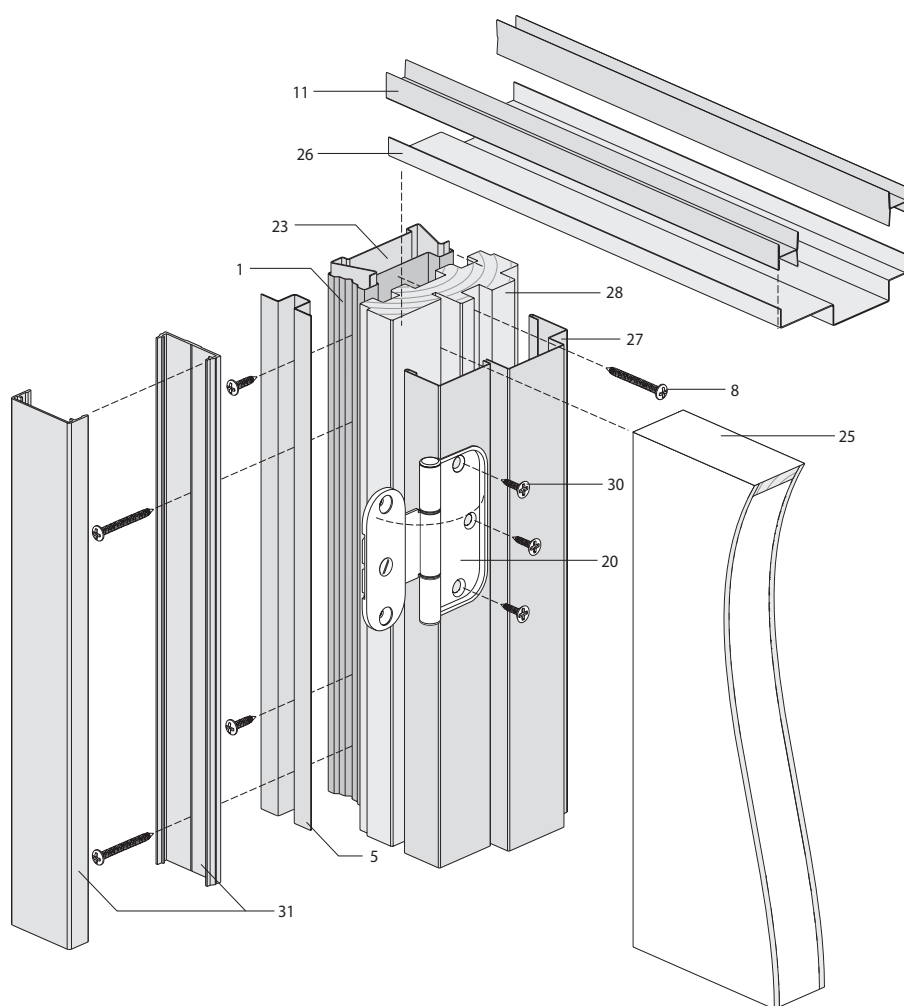


Vertical section



Horizontal section



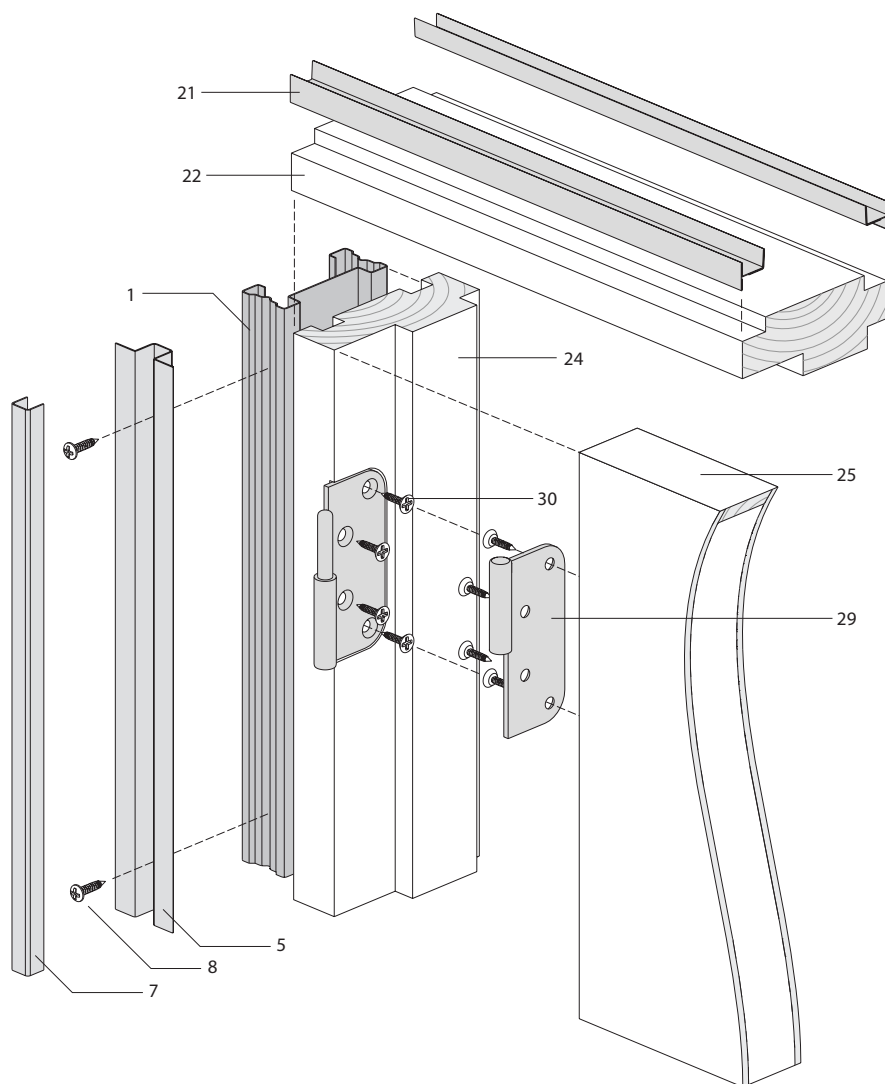


Technical cross-section diagram of a window assembly. The diagram illustrates the internal structure of the window frame, including the glazing unit, thermal breaks, and the connection to the building structure. A dimension line at the top indicates the width of a single 'Module'. The assembly is shown in a corner configuration, with the frame meeting at a 90-degree angle. The diagram highlights the complex internal components, including the glazing, thermal insulation, and the structural elements that hold the window in place. The bottom right corner shows the window frame resting on a base, likely a sill or a support structure.

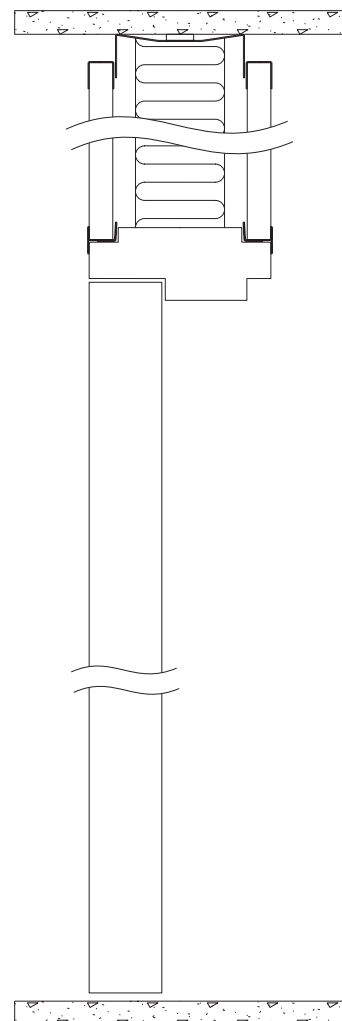
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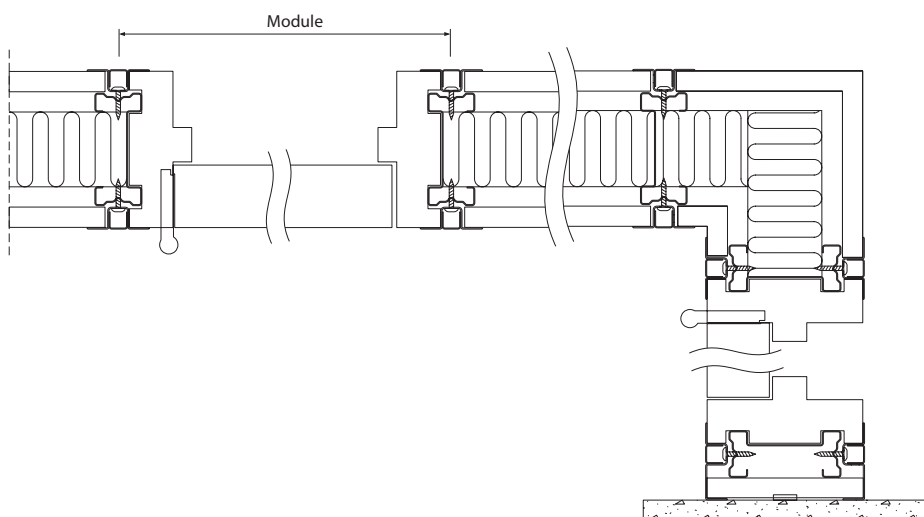
Flexica - Door module with wooden casing



Vertical section



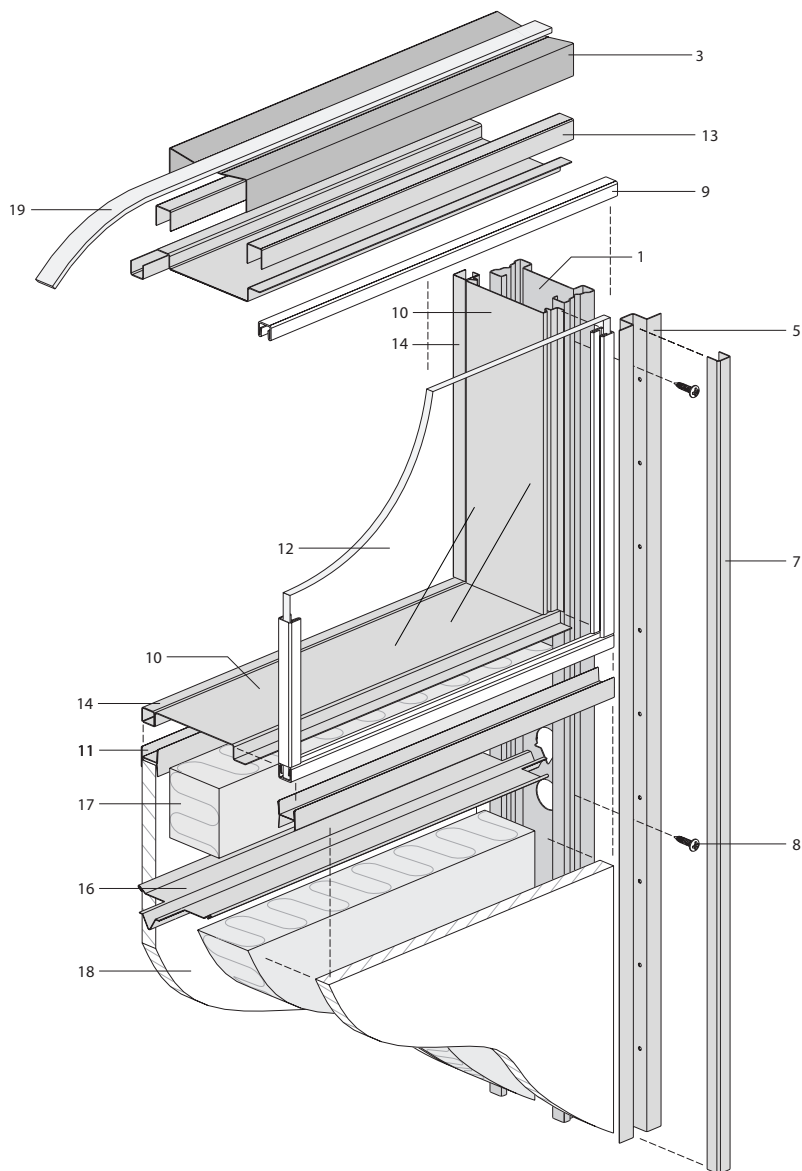
Horizontal section



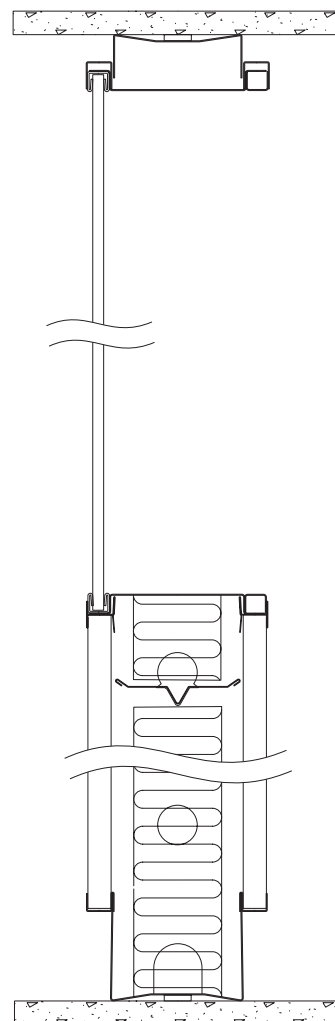
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Flexica

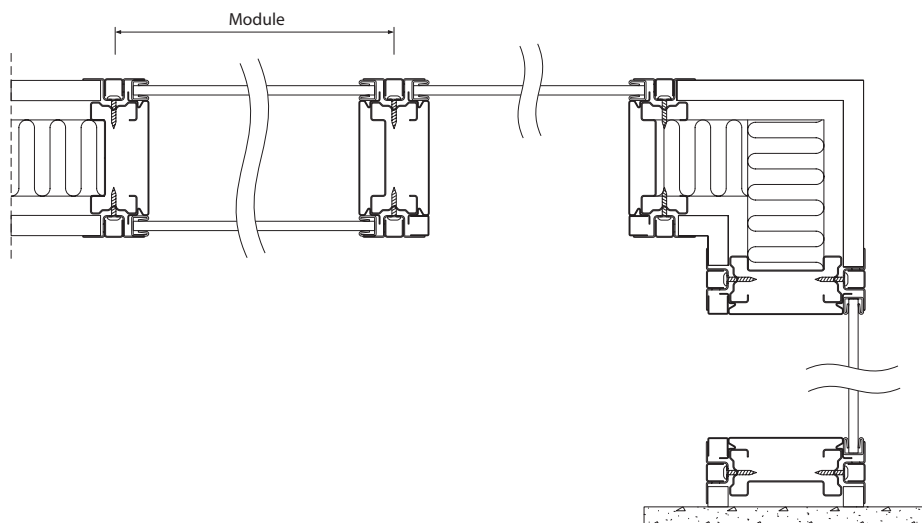
Flexica - Glass module


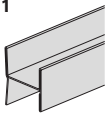
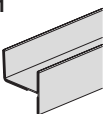

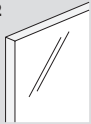
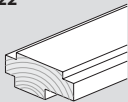
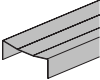


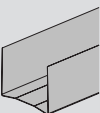
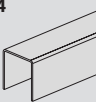
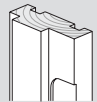


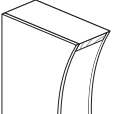

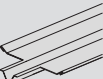


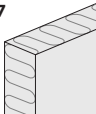
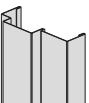

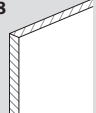
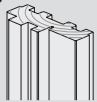

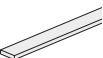


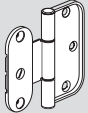



Vertical section



Horizontal section



Component	Component	Component
1  Post	11  Butt strap, double	21  Butt strap, single
2  Jack w. spring	12  Glass	22  Door frame, upper, wooden
3  Head track	13  U-TSL top trim	23  Post reinforcement
4  Base trim	14  Infill for single glass frame	24  Door frame, side, wooden
5  Omega section	15  Bottom trim	25  Door
6  Omega extension	16  Spacer bar	26  Door frame, upper, steel
7  Omega infill	17  Mineral wool	27  Door frame, outer, side, steel
8  Screw	18  Plasterboard	28  Door frame, inner, side
9  Glazing bead	19  Acoustic tape	29  Hinge
10  Glass frame	20  Hinge	30  Screw, countersink

