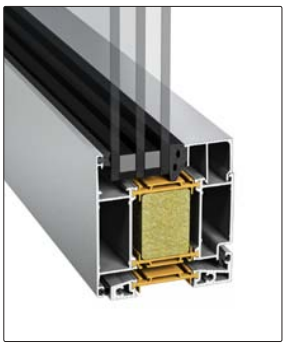
sapa:
buildingsystem
ARCHITECTURAL ALUMINIUM SOLUTIONS

Sapa Thermo 86

Sapa Thermo 86 is our next generation of highly insulated architectural systems in aluminium for windows, doors and glazed partitions with great performance.

The system was developed in Sweden and is adapted for the harsh Nordic weather conditions and market requirements. We have taken advantage of our 40-year experience and listened carefully to our producers, manufacturers, installers as well as users and architects to produce a system that is both easy to use and with greatly improved qualities.



Door 2086

The 2086 door system is a part of our Thermo 86 systems and is based on a strong and stable construction with 86mm deep profiles. These are basic insulated with 42 mm glass fibre reinforced polyamide strips and filled with specially developed insulating rods Sapa Thermo N9 for optimal energy performance. The system offers very good air and rain tightness.

Door leaf profiles are available for narrow and module locks as well as with anti-finger trap. Rebate for glass and infill panels 22-56 (64) mm.

This door which provides safe operation and long service life is perfectly suitable for busy public environments requiring high thermal insulation and air and rain performance.

Example embodiments

Single Door 2086

Double Doors 2086 with side and top lights in Glazed Partition 3086

Single Door 2086 with side and top lights in Glazed Partition 3086 and Integrated E-frame

Double Doors 2086 with side lights in Glazed Partition 3086

Handles and hinges

Semi-circular pull handles

Triangular pull handles

Curved pull handles

Lap butt hinges

Concealed hinges

Universal hinges

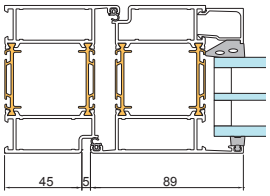
	Singel door	Doubble door	Locking	Inward	Outward	Insulating rods	Threshold (options)	Hinges
2086	•	•	1-points lock	•	•		6 variants	Univ., lap butt, concealed
2086 Plus	•	•	1-points lock	•	•		2 variants	Universal
2086 Extreme	•		3-points lock	•	•		2 variants	Universal
2086 SX	•	•	1-points lock	•	•	•	6 variants	Univ., lap butt, concealed
2086 SX Plus	•	•	1-points lock	•	•	•	2 variants	Universal
2086 SX Extreme	•		3-points lock	•	•	•	2 variants	Universal

** U_g=0,5 W/m²K Dimension: 1230x2180 mm * *U_g=0,7 W/m²K Dimension: 1230x2180 mm*

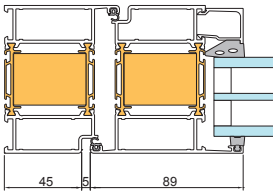
Cross sections

Below are examples of standard design.

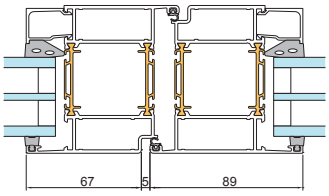
The same configurations are also possible in the SX version, then with insulating rods in the profiles.

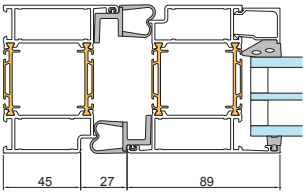


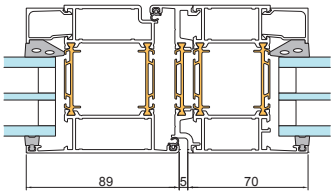
Door 2086

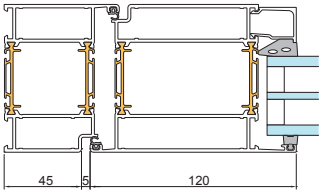


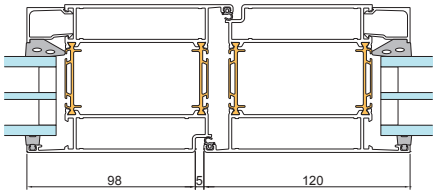
Door 2086 SX

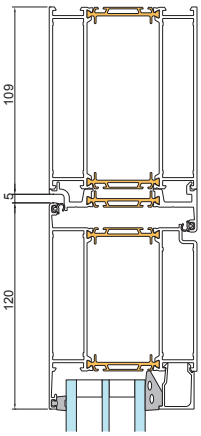


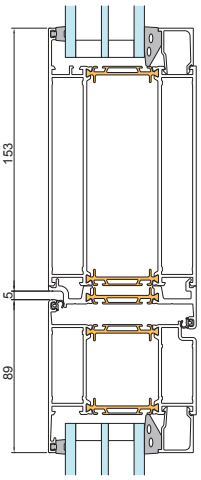




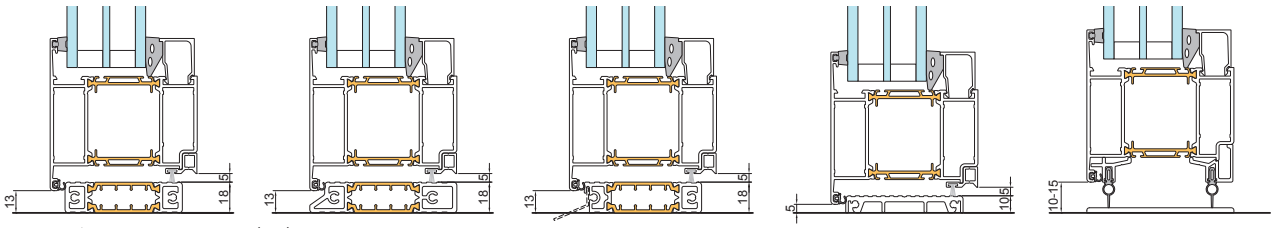




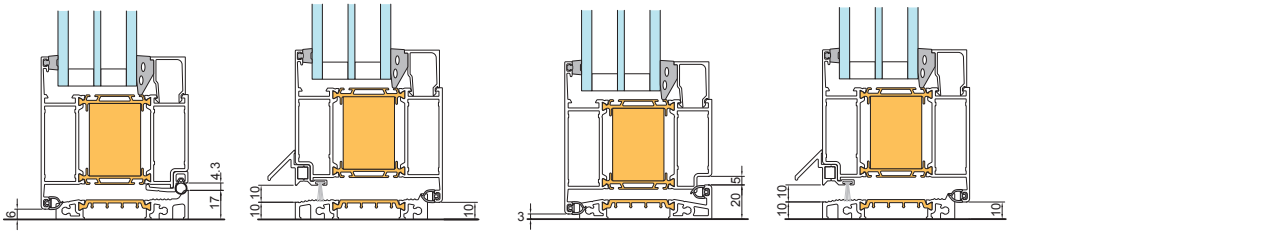




Threshold alternatives



Version: Door 2086 Standard



Version: Door 2086 SX Plus

Version: Door 2086 SX Extreme

Size max, mm	Glass thickness	Weight max, kg	Air tightness EN 12207	Rain tightness EN 12208	Design wind load EN 12210	U_d * W/m²K	U_d ** W/m²K	Repeated opening/closure EN 12400
1350x3000	56 (64)	200	n/a	n/a	n/a	1,0	1,2	Class 6
1350x3000	56 (64)	200	2	4A	C2	1,0	1,2	Class 6
1350x2500	56 (64)	200	4	9A	C3	1,0	1,2	Class 6
1350x3000	56 (64)	200	n/a	n/a	n/a	0,88	1,0	Class 6
1350x3000	56 (64)	200	2	4A	C2	0,88	1,0	Class 6
1350x2500	56 (64)	200	4	9A	C3	0,88	1,0	Class 6