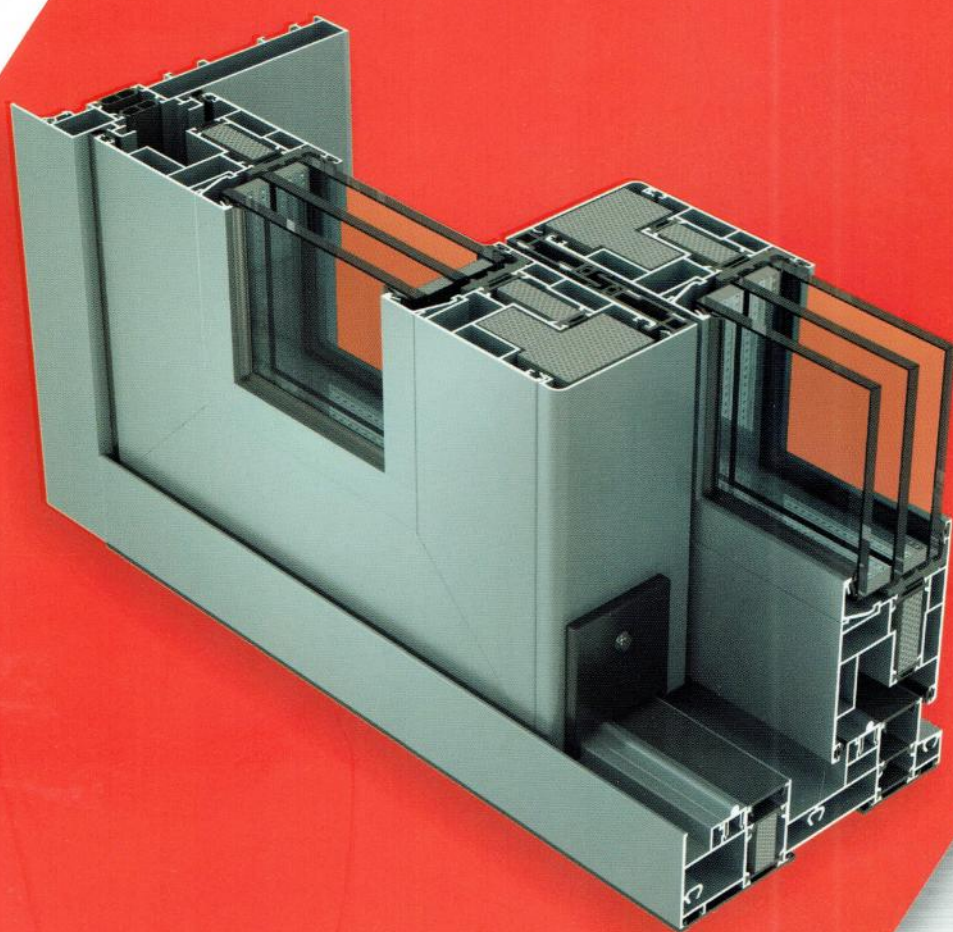


ALUK[®]



SLIDING



» ADVANCED THERMAL
BREAK SYSTEMS



SLIDING

SYSTEMS FOR THERMAL BREAK SLIDING DOORS

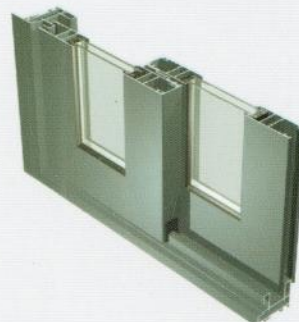
»» TECHNOLOGY, INNOVATION, DESIGN

The continuous architectural requests for new spacious interior spaces and openable luminous glass windows have brought us to use sliding door systems with better performance and attention to style. AluK proposes high range series such as SC140TT and SC170TT.

»» SC70

SYSTEM FOR NON-INSULATED SLIDING SYSTEMS.

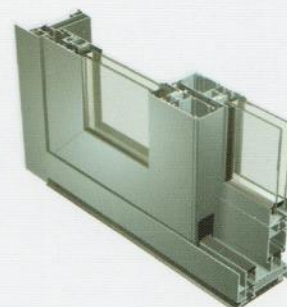
This series for non-insulated sliding doors stands out for its affordability and simplicity while still maintaining a pleasant appearance. It integrates perfectly with the 55N series, thereby allowing for the creation of many possible types of structures with top and bottom glass. The system also provides the possibility to create frames with mosquito flyscreens.



»» SC95TT

SYSTEM FOR THERMAL BREAK SLIDING DOORS.

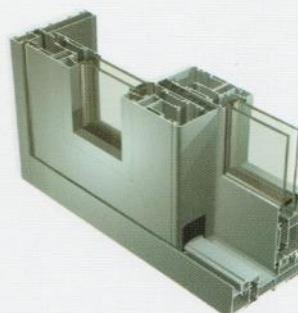
This insulated series for sliding doors is to be matched with 56IW for isolated compounds. The locking system of the sliding doors employs an exclusive multipoint locking system, actuated by the same handle used in windows, to ensure safety and reliability of the entryway. The traditional line of the window is enhanced by the particular glass bead cut of 45° as the sash door slides.



»» SC140TT

SYSTEM FOR THERMAL BREAK SLIDING DOORS.

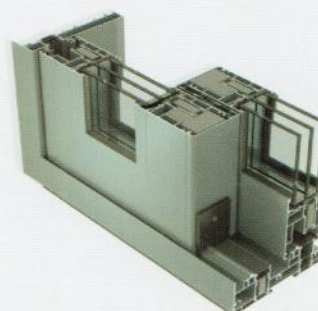
This series for sliding doors is suitable for the realization of lift and slide solutions. The series was designed for the construction of high quality frames. The robustness of the chassis allows for the construction of large windows: a typical example may be a glass patio, reaching up to the ceiling. The lift&slide mechanism, designed to facilitate the handling of heavy frames until 400 kg, makes this system very practical and functional. In fact, heavy glass can be installed without having its weight affect the maneuverability; it remains fluid and light.



»» SC170TT

SYSTEM FOR THERMAL BREAK SLIDING DOORS.

This series was created to meet the demands of an increasingly demanding market in terms of performance and comfort, while maintaining the fundamental characteristics of the success of the SC140TT series. It is suitable for use in both new construction and renovation, satisfying the requirements of demanding customers in terms of design, performance and attention to detail. The opening can be controlled by a motor and utilize home automation applications to control the environment.



»» 56IWL - 67IWL - 77IWL

PPROFILES TO CREATE THERMAL BREAK SLIDING DOORS AND PANELS IN ALUMINUM.

The IWL series was born as an integration of the IW series with solutions dedicated to the realisation of fixtures of a parallel sliding type or overturning ones. The technology of the insulation capacity is the same as the IW batten series: in fact, they use the same thermal cut bar and the same central trim at the open joint, allowing them to reach elevated performance. The enlarged profiles have been sized in such a way that they can accommodate the sliding elements and rails for shutters of elevated dimensions and weighing up to 200 kg.

»» 50IWood - 80IWood

PROFILES TO CREATE THERMAL BREAK SLIDING DOORS AND PANELS IN ALUMINUM/WOOD.

The aluminium/wood series satisfies the requests of a market that is ever more demanding in terms of performance and durability, also allowing the realisation of fixtures with parallel sliding or overturning types with shutters of considerable dimension and with weight up to 200 kg. The IWood series are adequate, in particular, to use in a residential environment of new constructions and renovations, also satisfying the requests of a demanding clientele in terms of design, performance and attention to detail.



SYSTEMS FOR SLIDING DOORS HIGH THERMAL INSULATION

TECHNICAL FEATURES

SC140TT

PROFILES

- depth of outer frames: 140 mm (213 mm 3-way version)
- depth of sash: 56 mm

APPLICATION

Windows, balcony-doors. With mechanical retention.
Motorized, sliding 2 doors, sliding 3 doors, sliding 4 doors,
sliding 6 doors, sliding 3-way, sliding, lift & slide.

PANES

- minimum depth: 10 mm
- maximum depth: 40 mm
- panel, double glass, triple glass

ROLLERS

300 (400) Kg

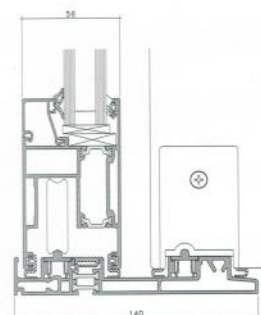
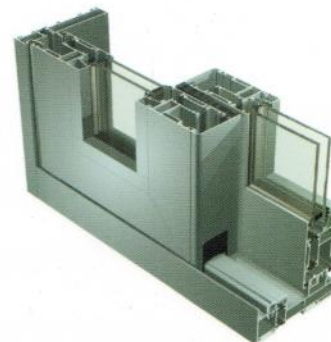
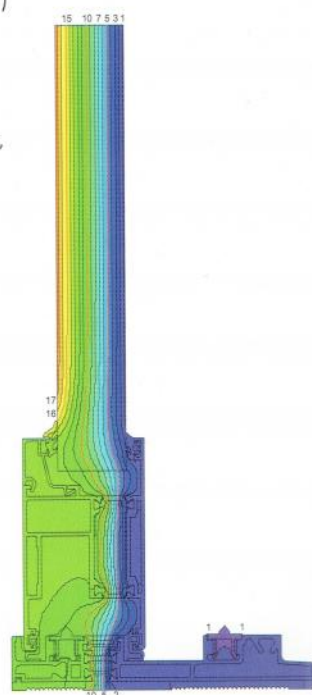
PERFORMANCE

THERMAL TRANSMITTANCE

$U_w = 1,4 \text{ W/m}^2\text{K}$

ACOUSTIC PERFORMANCE

$R_w (\text{Ct}; \text{Ctr}) = 38 (-1; -3) \text{ dB}$



SC170TT

PROFILES

- depth of outer frames: 170 mm
- depth of sash: 70 mm

APPLICATION

Windows, balcony-doors. motorized, sliding 2 doors, sliding
3 doors, sliding 4 doors, sliding fixed + sunroof, lift & slide.

PANES

- minimum depth: 28 mm
- maximum depth: 55 mm
- panel, double glass, triple glass

ROLLERS

300 (400) Kg

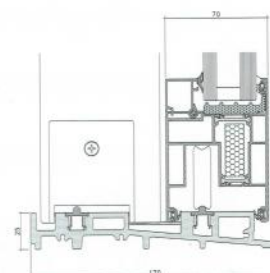
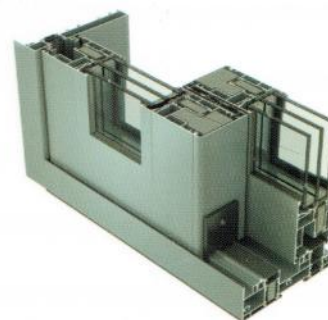
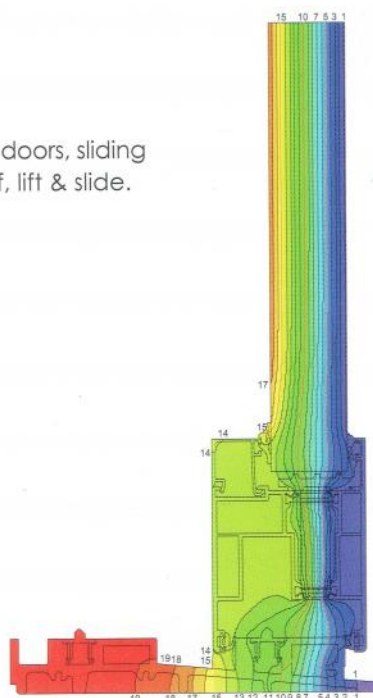
PERFORMANCE

THERMAL TRANSMITTANCE

$U_w = 1,2 \text{ W/m}^2\text{K}$

ACOUSTIC PERFORMANCE

$R_w (\text{Ct}; \text{Ctr}) = 43 (-2; -5) \text{ dB}$



TECHNICAL FEATURES

	SLIDING				TILT AND SLIDE	
	SC70N	SC95TT	SC140TT	SC170TT	56IWL ¹⁾ 67IWL ²⁾ 77IWL ³⁾	50IWood ¹⁾ 80IWood ²⁾
THERMAL TRANSMITTANCE	$U_f = 7,0 \text{ W/m}^2\text{K}$	$U_f = 3,3 - 5,5 \text{ W/m}^2\text{K}$ Technical Report of I.T.C. 4756/RP/08	$U_f = 3,1 - 5,4 \text{ W/m}^2\text{K}$ Technical Report of I.T.C. 4757/RP/08	$U_f = 2,8 - 3,2 \text{ W/m}^2\text{K}$ Technical Report IR-COS 1994-CPD-RP0885	$U_f = 2,03 - 2,18 \text{ W/m}^2\text{K}^{2)}$ Technical Report IR-COS 1994-CPD-RP0572	$U_f = 1,3 - 1,9 \text{ W/m}^2\text{K}^{2)}$ Technical Report IR-COS 033-RP09
		$U_w = 1,8 \text{ W/m}^2\text{K}$ Sliding 2 doors with $U_g = 1,0 \text{ W/m}^2\text{K}$	$U_w = 1,4 \text{ W/m}^2\text{K}$ Lift & slide 2 doors with $U_g = 0,5 \text{ W/m}^2\text{K}$	$U_w = 1,2 \text{ W/m}^2\text{K}$ Lift & slide 2 doors with $U_g = 0,5 \text{ W/m}^2\text{K}$	$U_w = 1,0 \text{ W/m}^2\text{K}^{2)}$ Tilt and slide 2 doors with $U_g = 0,5 \text{ W/m}^2\text{K}^{2)}$	$U_w = 0,85 \text{ W/m}^2\text{K}^{2)}$ Tilt and slide 2 doors with $U_g = 0,5 \text{ W/m}^2\text{K}^{2)}$
ACOUSTIC PERFORMANCE			$R_w \text{ (Ct; Ctr)} = 38 \text{ (-1; -3) dB}$ Ist. Giordano 286491/6416/CPD	$R_w \text{ (Ct; Ctr)} = 43 \text{ (-2; -5) dB}$ Ist. Giordano 286492/6417/CPD	$R_w \text{ (Ct; Ctr)} = 43 \text{ (-2; -6) dBK}^{2)}$ Ist. Giordano 286490/6415/CPD	$R_w \text{ (Ct; Ctr)} = 45 \text{ (-1; -4) dB}^{1)}$ ITC-CNR 4571/RP08
AIR PERMEABILITY	Class 3 Testreport I.T.C. n. 0970-CPD-RP0389	Class 4 Testreport I.T.C. n. 0970-CPD-RP0310	Class 4 Testreport I.T.C. n. 0970-CPD-RP0390	Class 4 Testreport I.T.C. n. 0970-CPD-RP0934	Class 4K ²⁾ Testreport I.T.C. n. 0970-CPD-RP0755	Class 4K ²⁾ Testreport I.T.C. n. 0970-CPD-RP0696
WATERTIGHTNESS	7A Testreport I.T.C. n. 0970-CPD-RP0389	8A Testreport I.T.C. n. 0970-CPD-RP0310	8A Testreport I.T.C. n. 0970-CPD-RP0390	E900 Testreport I.T.C. n. 0970-CPD-RP0934	E900 ²⁾ Testreport I.T.C. n. 0970-CPD-RP0755	E1200 ²⁾ Testreport I.T.C. n. 0970-CPD-RP0696
WIND RESISTANCE	B2 Testreport I.T.C. n. 0970-CPD-RP0389	B2 pos. A2 neg. Testreport I.T.C. n. 0970-CPD-RP0310	A4 Testreport I.T.C. n. 0970-CPD-RP0390	C2 B3 A4 Testreport I.T.C. n. 0970-CPD-RP0934	A4 ²⁾ Testreport I.T.C. n. 0970-CPD-RP0755	C5 ²⁾ Testreport I.T.C. n. 0970-CPD-RP0696



SLIDING

» ADVANCED THERMAL BREAK SYSTEMS

