



AluminTechno
ALUMINUM PROFILE SYSTEMS

ARCHITECTURAL
ALUMINUM SYSTEMS

Address of the Director General



//

Dear friends,

We have been working for you for over twenty years. During this period we have created the manufacturing and supply chain holding company and have become the leaders in our market segment.

Our own business ethics allows us to develop dynamically and succeed in the world of tough competition. This is what ensures confidence in us among our business partners, employees and customers.

We are open to cooperation with everyone who appreciates a systematic business approach, high quality, professionalism, reliability and integrity. We are sure that working on the basis of these principles will help us to become better today than we were yesterday, and tomorrow even better than we are now. //

Aleksey Zhukov,

Director General
of the ALUTECH Group of companies

ALUTECH Group of companies



AluminTechno JLLC

AluminTechno JLLC is one of the manufacturing enterprises of ALUTECH Group of companies that specializes in the production of the extruded aluminum profiles, powder coating and anodizing.

A highly efficient advanced enterprise is equipped with the production facilities from the leading manufacturers from the USA, Germany, Italy, etc. Some of the technological processes and elements of the production equipment have no analogues in the CIS countries.



ALUMINUM
PROFILE SYSTEMS

Facade systems
Window and door systems
Storefronts and window walls
Interior partition systems
Hardware

AluminTechno JLLC has implemented a complete production cycle: from melting of the primary aluminum to the production of the extruded profiles, their powder coating or anodizing.

The main production facilities consist of the modern foundry shops, high-tech press lines, advanced powder coating and anodizing lines.



Alutech Incorporated LLC



ROLLER SHUTTER SYSTEMS

Window and door roller shutters
Roller garage doors
Rolling grills
Anti-burglar roller shutters
Roller shutters with a mosquito net



Alutech Doors Systems LLC



SECTIONAL DOORS AND GATES

Sectional garage, industrial and panoramic doors
Sliding and swinging gates
Wickets and fencing sections



AUTOMATICS. HANDLING EQUIPMENT

Bars
Automatics for the gates
Accessories

Dock levelers
Dock shelters
Transfer platforms and tambours
Wheel guides
Bumpers

AluminTechno JLLC

Nowadays, AluminTechno JLLC produces a wide range of aluminum profiles (over 1000 different configurations), which are used in the automobile and machine tool industry, aviation, building, energetics, furniture and light industry, architecture.

The overall production capacity of AluminTechno JLLC are:

- extrusion lines: more than 45 000 tons per year;
- powder coating lines: more than 35 000 tons per year;
- anodizing workshops: more than 10 000 tons per year;
- melting shops: 55 000 tons per year.

The first company of ALUTECH holding was founded—ALUTECH LLC (Minsk). The main activity: the installation of the ready-made roller shutters, on-site production of the accessories.

Balcony system was launched

Non-thermally broken systems as well as interior partition systems were launched

Thermally broken systems as well as facade systems were launched

1996

2002

2005

2007

2008

2009

AluminTechno JLLC (Minsk) was founded—the manufacturing enterprise, specializing in the aluminum profile extrusion and powder coating



AluminTechno JLLC put into operation the production complex for anodizing of the aluminum profiles





Structural glazing systems as well as stained-glass systems were launched

Launching of the fire resistant, skylight and unitized curtain wall systems

Launching of the new curtain wall system with glass installation from inside

Launching of the patio door systems and hidden-sash structures

2013

2014

2015

2018

Two press lines, the anodizing workshop, the vertical powder coating line, the automated warehouse were put into operation

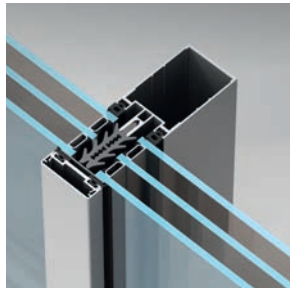


New foundry shop launched

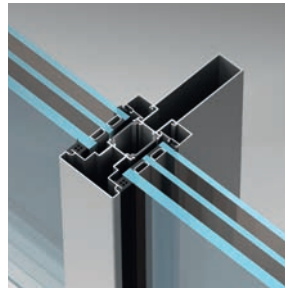


AluminTechno aluminum profile systems

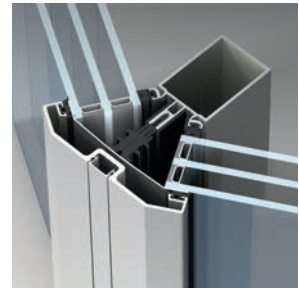
FACADE SYSTEMS



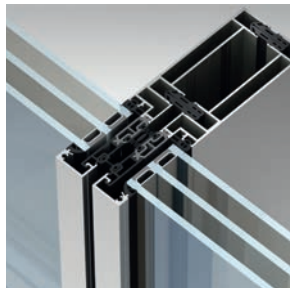
ALT F50
Curtain wall system



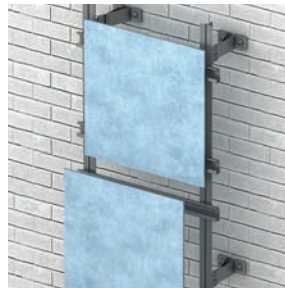
ALT IGF65
Inside glazed curtain wall system



ALT SKL50
Skylight system



ALT EF65
Unitized curtain wall system

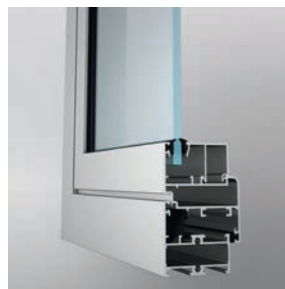


ALT150
Cladding facade system

WINDOW AND DOOR SYSTEMS



ALT C43
Without thermal break



ALT C48
Without thermal break



ALT W62
With thermal break



ALT W72
With thermal break

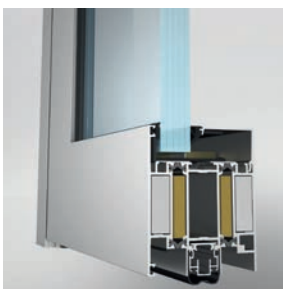


BIM-models

SPECIAL ALUMINIUM SYSTEMS



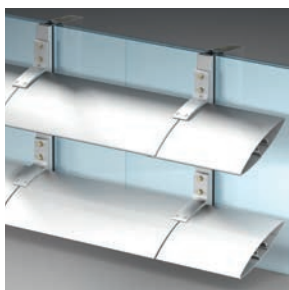
ALT F50FR
Fire resistant curtain wall
system



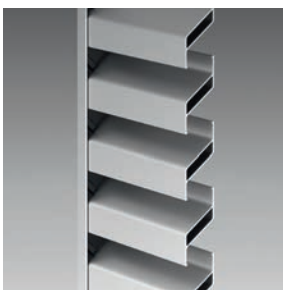
ALT FR76
Fire resistant doors
and partitions



ALT B200
Balcony railing system

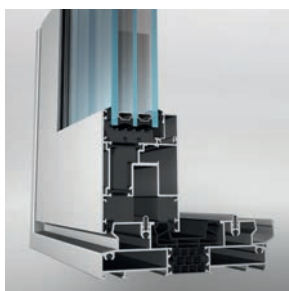


ALT SP50
Sun protection system

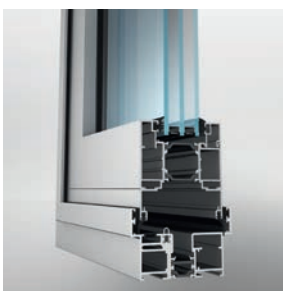


ALT VR26
Ventilation grille system

PATIO DOORS

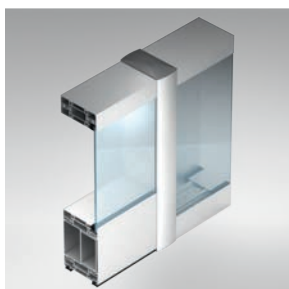


ALT SL160



ALT BF73

INTERIOR PARTITION SYSTEMS



ALT110



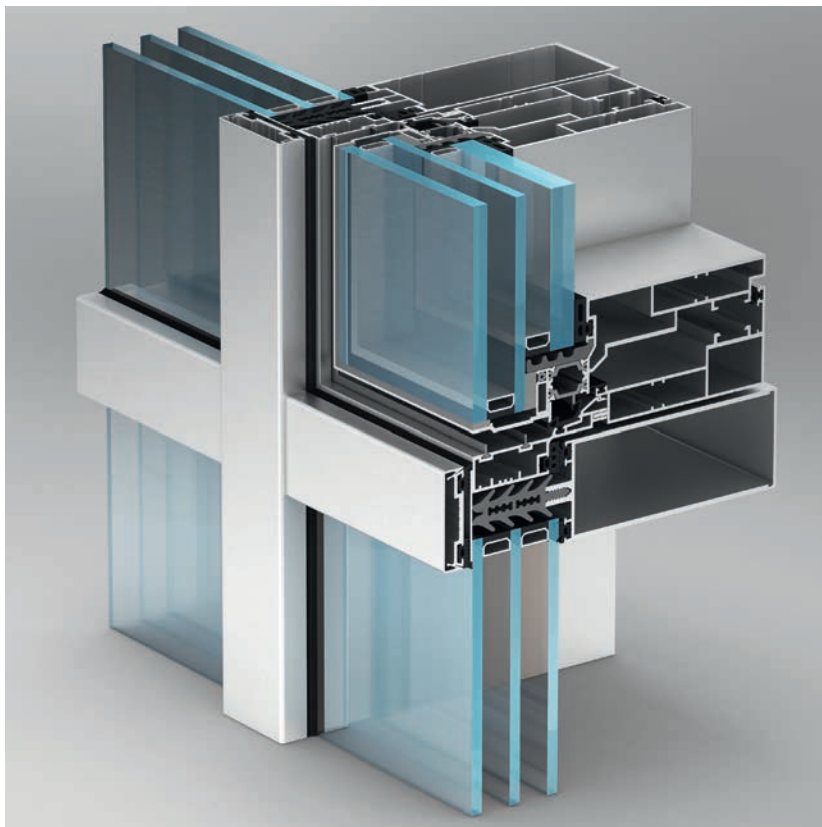
ALT111



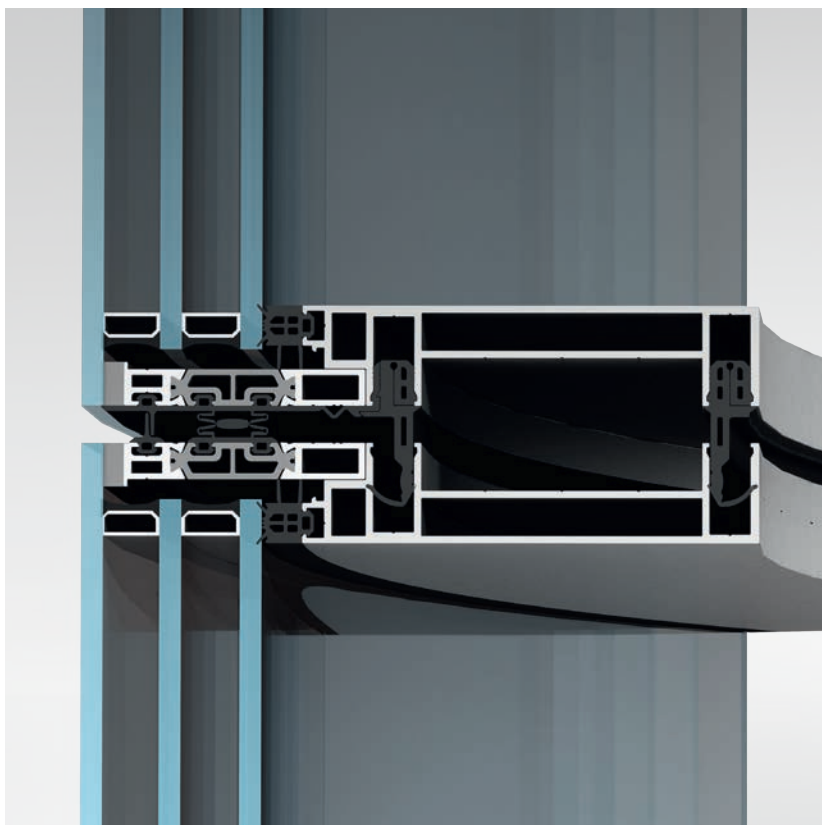
ALT115

AluminTechno new products

INTEGRATED
LARGE-SIZE SASH
ALT F50



RADIAL
UNITIZED FACADE
ALT EF65



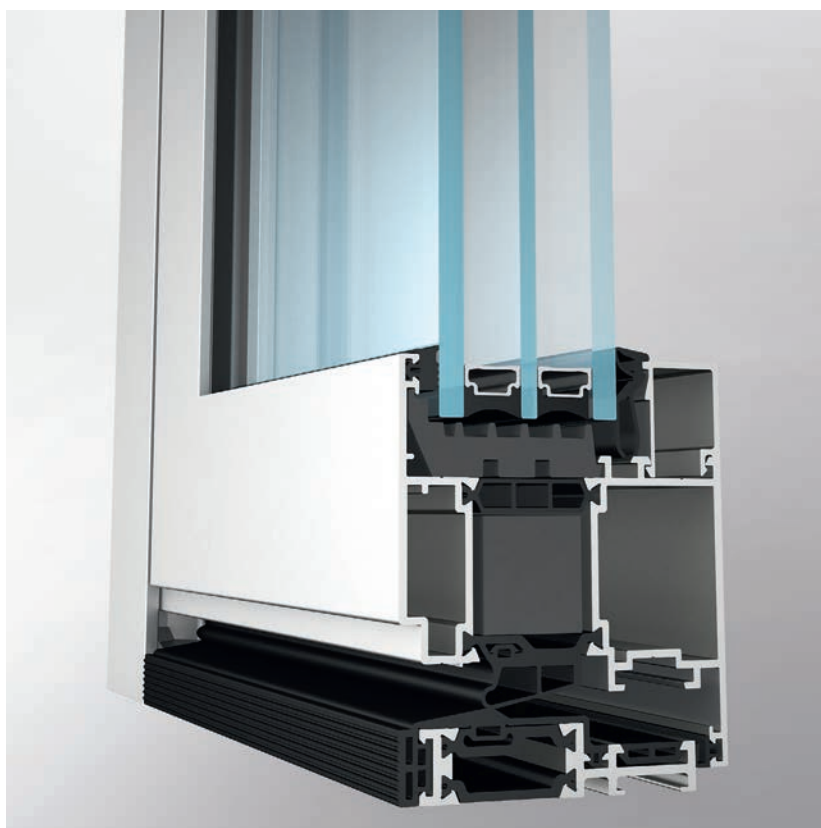


BIM-models

THERMALLY BROKEN
TERRACE DOOR

ALT W72

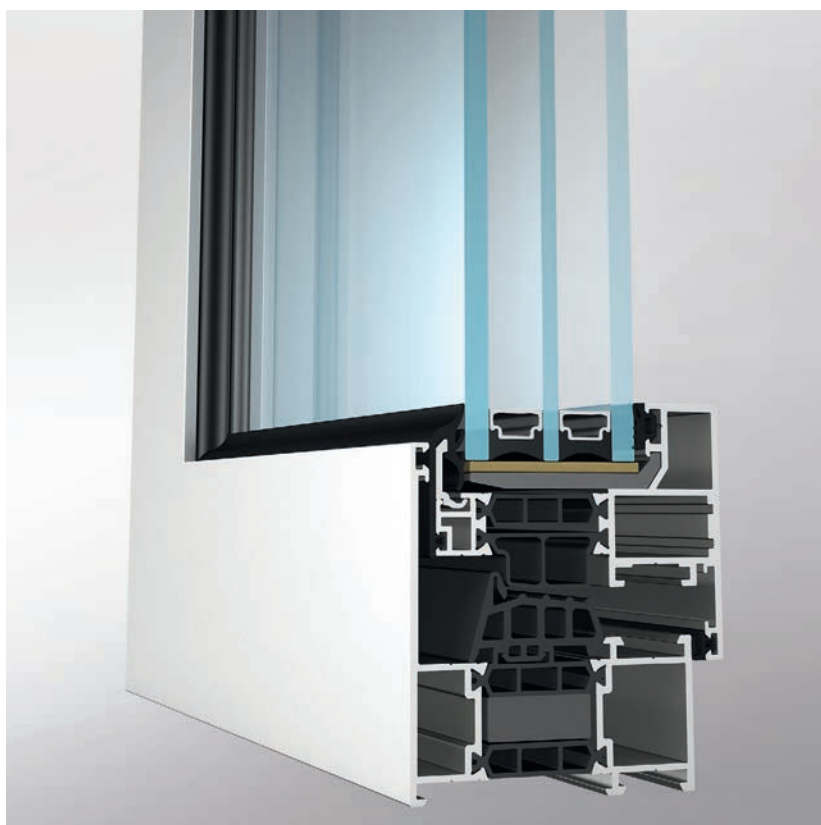
WITH THRESHOLD



THERMALLY BROKEN
WINDOWS

ALT W72

'HIDDEN SASH' TYPE

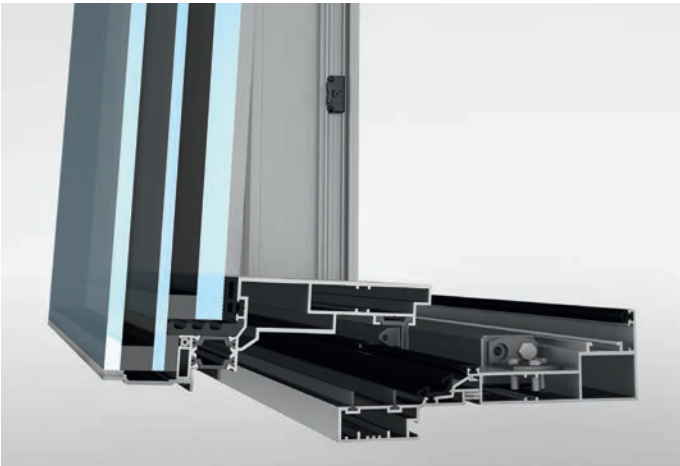
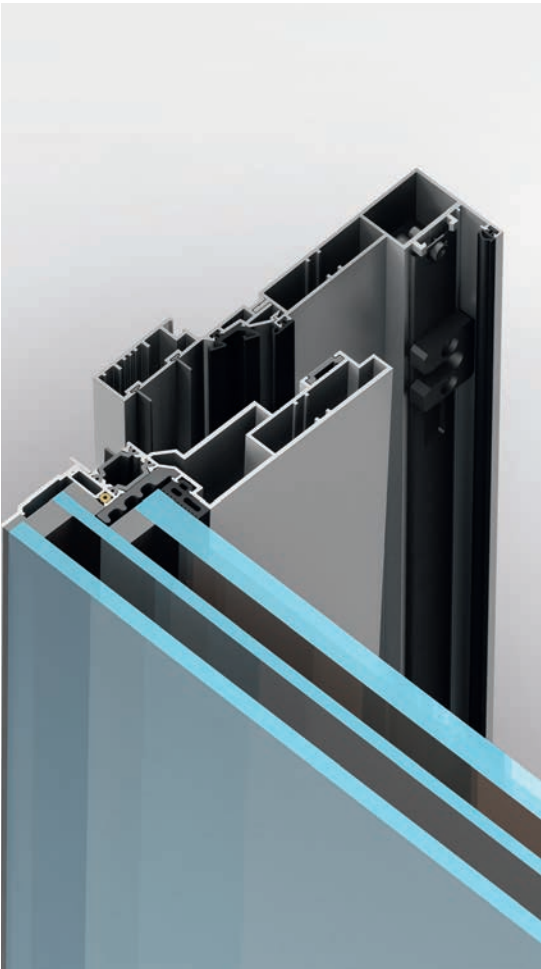


AluminTechno new products

ALT F50 INTEGRATED LARGE-SIZE SASH

TECHNICAL CHARACTERISTICS

Sash height	up to 13'
Sash width	up to 6'6"
Sash weight	up to 800 lbs
Hardware options	ALUTECH
Automatics	D+H
Thermal insulation	$U_f < 0.17 \text{ Btu/ft}^2\cdot^\circ\text{F}$

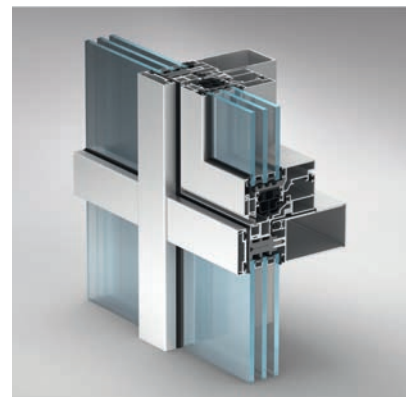


ALT F50

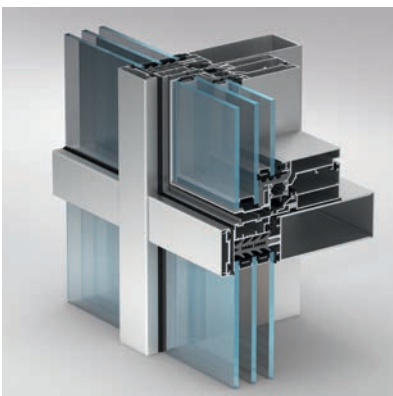
FACADE
WINDOW SYSTEM



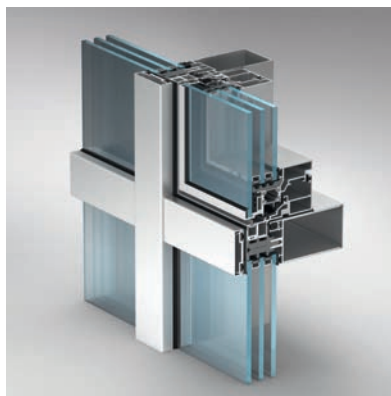
The system of the integrated facade windows corresponds to all modern technological requirements, architecture and thermal insulation characteristics. The variety of glass fixation solutions allows to implement any customer requirements.



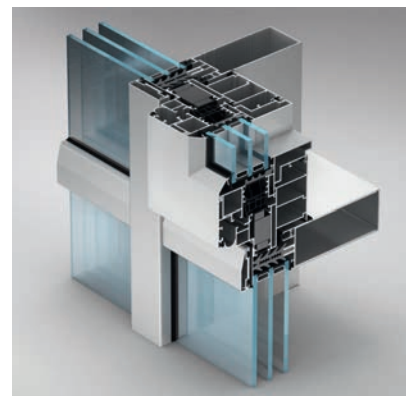
Glass fixation with the help of the glass bead profile



Hidden sash
with pasted glazing



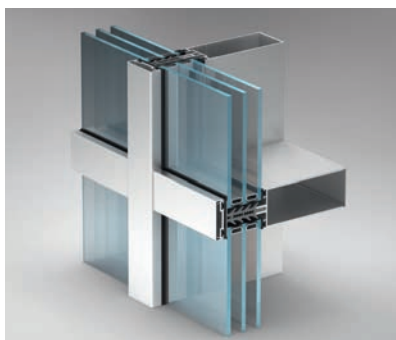
Window with glass fixation
by the bounding profile



Slight smoke removal hatch

AluminTechno new products

ALT F50 MODIFICATIONS AND VARIANTS OF IMPLEMENTATION

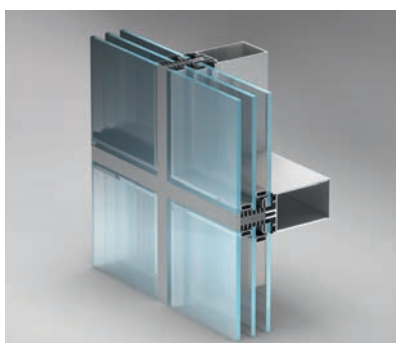


TRADITIONAL CURTAIN WALL ALT F50

This system allows to create diverse types of translucent building envelope of various degree of complexity.

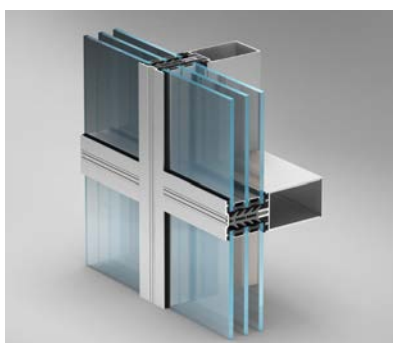
TECHNICAL CHARACTERISTICS

Uniform Load Structural Test	± 5027.4 Pa (105.0 psf)
Thermal insulation	$U_f < 0.17$ Btu/ft ² ·°F
Air infiltration 300 Pa (6.24 psf)	0.15 L/s/m ² (0.03 cfm/ft ² measured)
Water penetration resistance	574.6 Pa (12.0 psf)
Interior visible width	2"
Exterior visible width	$2\frac{5}{32}" / 1\frac{1}{2}" / 2"$
Glass thickness	$\frac{5}{32}" - 2\frac{7}{16}"$
Maximum glazing weight	up to 1500 lbs



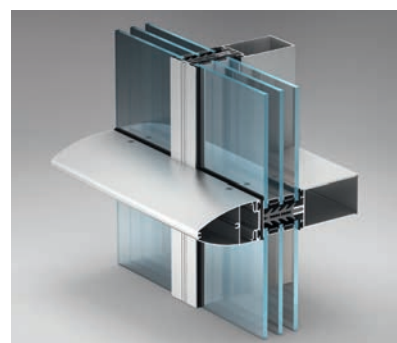
ALT F50SG STRUCTURAL GLAZING

Completely glazed facade of any configuration without aluminum profiles from the outside. Fixation of the glazing is carried out with the help of invisible end clamps.



ALT F50SSG IMITATION OF STRUCTURAL GLAZING

The main aesthetic difference of this facade solution is the absence of 2" clamping covers and decorative caps. Thin and almost invisible from the outside, clamping bar profiles are used instead. Plain glass adjoining profiles create the illusion of structural glazing.



ALT F50HL 'HORIZONTAL LINE' SEMI-STRUCTURAL GLAZING

Combination of the traditional and structural glazing. Various concealed cleats are applied in one of the directions either horizontal, or vertical one.

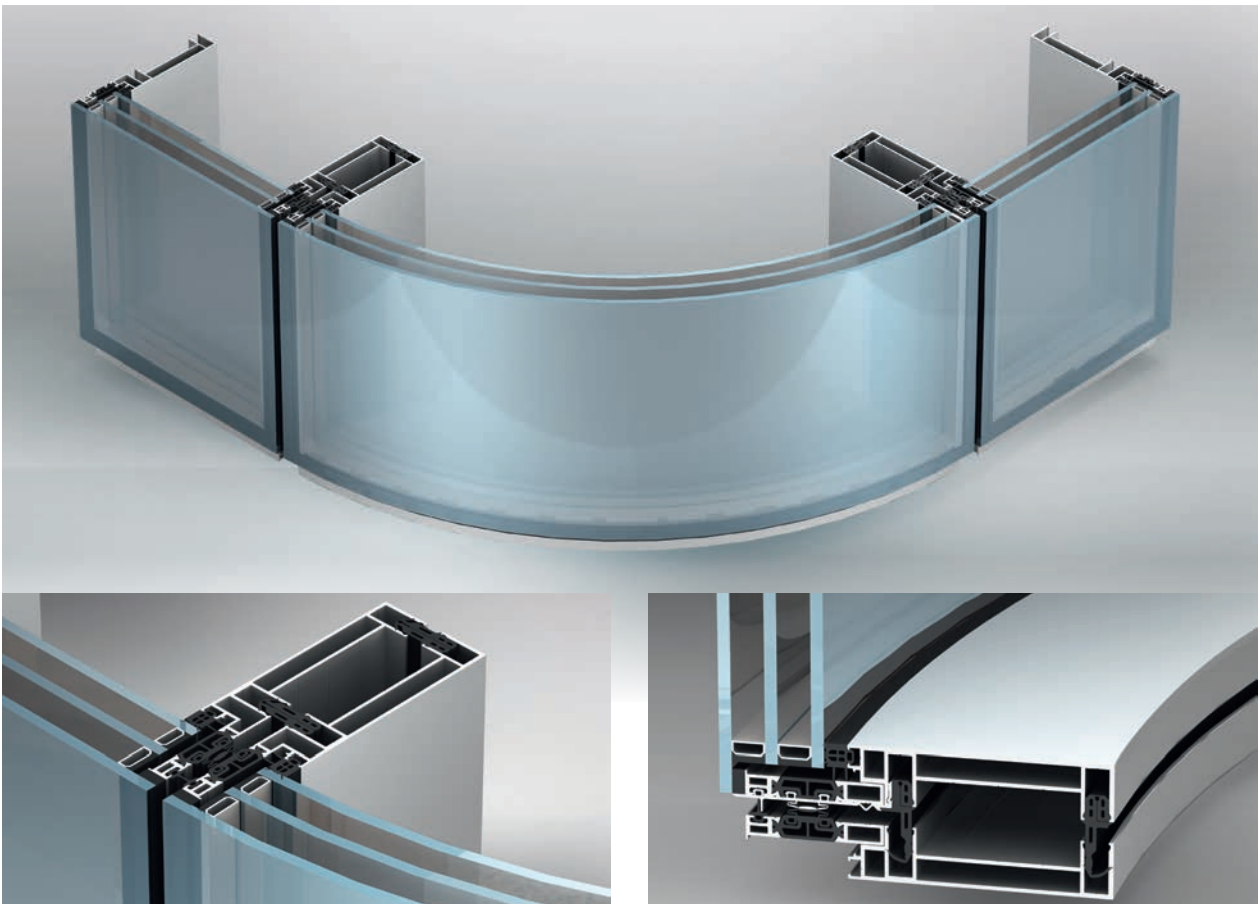
ALT EF65

UNITIZED
FACADE



TECHNICAL CHARACTERISTICS

Unit height	142"
Unit width	106"
Unit weight	up to 1100 lbs
Thermal insulation	$U_f < 0.17 \text{ Btu/ft}^2\text{°F}$
Camera depth of the frame profiles and transom bars	5"/6"/8"
Glazing thickness	up to 2 1/4"



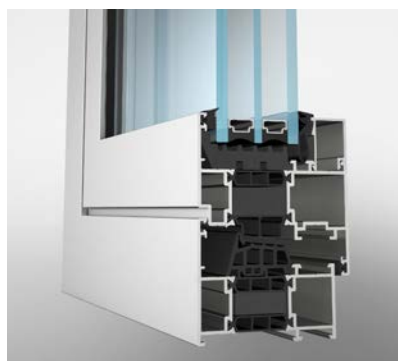
AluminTechno new products

ALT W72 WINDOW SYSTEM WITH HIGH THERMAL INSULATION AND ACOUSTIC CHARACTERISTICS

ALT W72 window is a modern and innovative solution for aperture glazing, that allows significantly increase energy efficiency and functionality of the premises and building itself. Besides that it provides the high level of convenience, comfort and aesthetic appearance.



Classic window



Coplanar sash



Outward opening sash

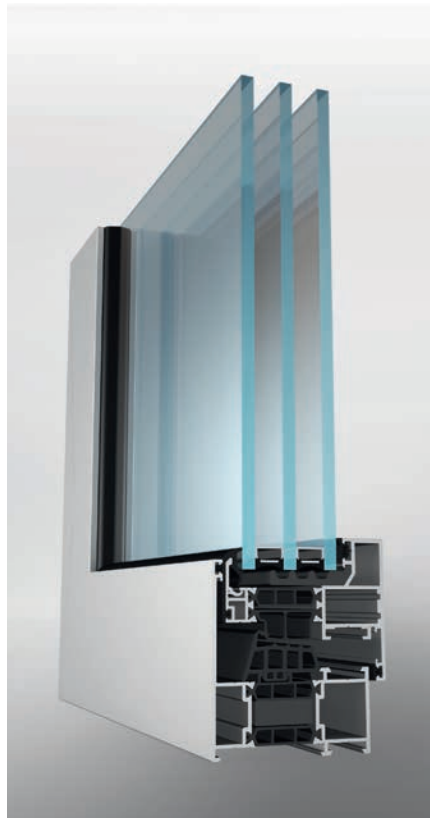
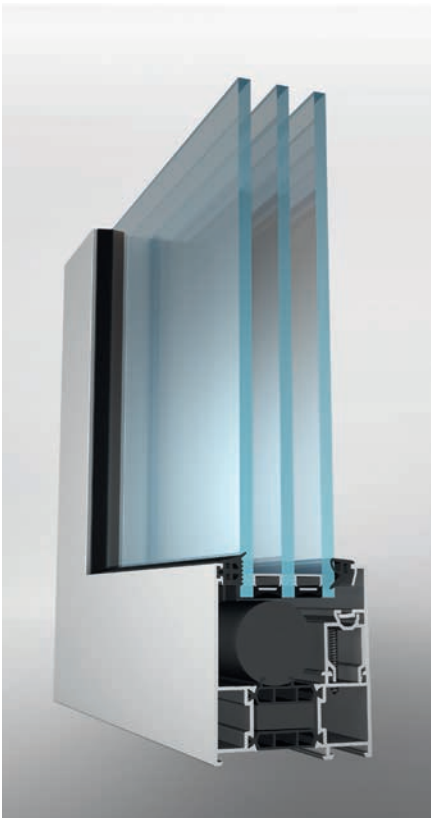


TECHNICAL CHARACTERISTICS

AAMA/WDMA/CSA 101 /I.S.2 / A440-17	AW-PG80-DAW
Thermal insulation	$U_f = 0.16-0.34 \text{ Btu/ft}^2\cdot^\circ\text{F}$
Air infiltration	$0.5 \text{ L/s/m}^2 \text{ (} 0.1 \text{ cfm/ft}^2 \text{)}$
Water penetration resistance test pressure	$720 \text{ Pa (} 15 \text{ psf)}$
Design pressure	$\pm 3830 \text{ Pa (} \pm 80.00 \text{ psf)}$
Maximum sash weight	331 lbs
Frame mounting depth	$2 \frac{7}{8}''$
Sash mounting depth	$3 \frac{5}{32}''$
Maximum glazing thickness	2"
Maximum sash height	up to 99"
Maximum sash width	up to 67"

ALT W72HS

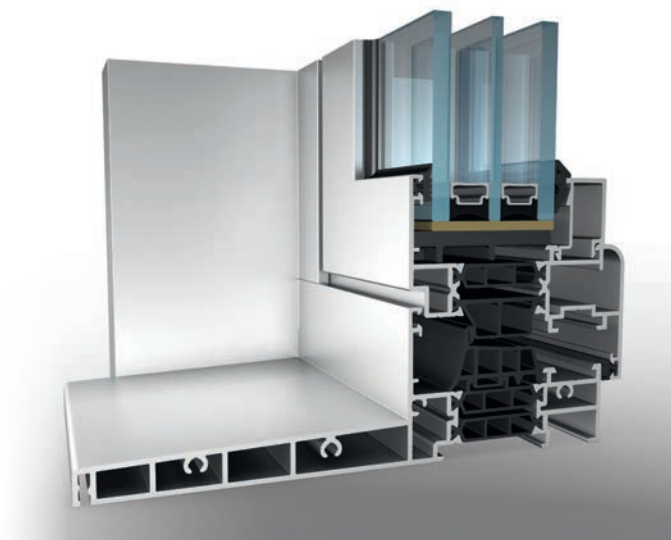
THERMALLY BROKEN WINDOWS:
'HIDDEN SASH' TYPE



ALT W72HS system is intended for the production of windows and window walls. ALT W72HS windows meet the most strict architectural and design requirements due to a completely hidden sash, maximum glazing area, identical visual appearance both in fixed and opening parts.

ALT W72R

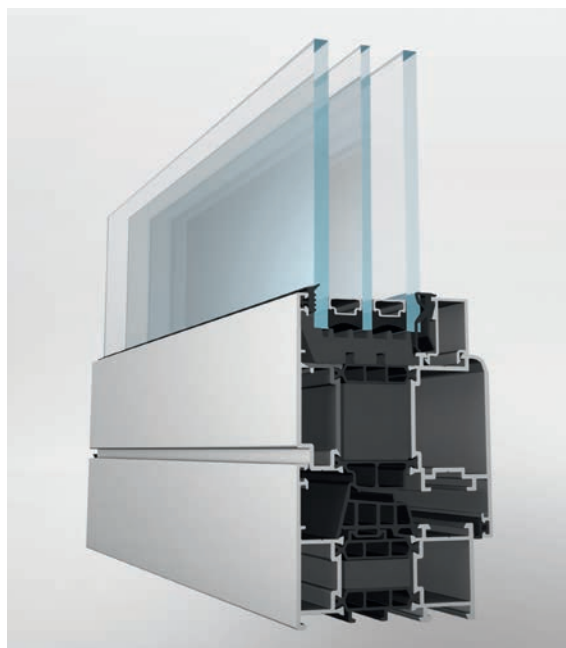
ALT W72R window system with high thermal insulation characteristics is intended for assembling the windows in facade apertures with the wall insulation from the inside. The simplicity and safety of the installation process allow to use ALT W72R system while restoration or reconstruction. A variety of window installation solutions provides ample opportunities for arranging of any type of aperture.



AluminTechno new products

ALT W72

THERMALLY BROKEN TERRACE DOOR
WITH LOW THRESHOLD



ALT W72 terrace door is an optimal and functional solution for the arrangement of the balconies and terraces. The minimal threshold height corresponds to the unimpeded access regulations. The sash design options as well as the perimeter locking application allow architects and designers to implement the most suitable and aesthetic solutions for the arrangement of balconies and terraces.

ADVANTAGES

High thermal insulation characteristics
(U_f up to 0.17 Btu/ft²·°F)

The height of the threshold corresponds
to the European standards

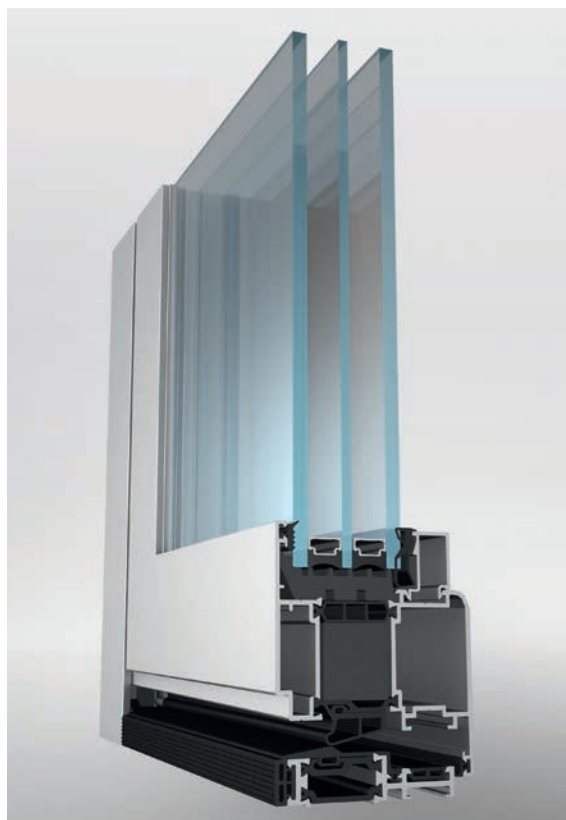
Perimeter locking (for tilt and turn and side hung windows
with visible or concealed hinges)

Secure and tight sealing

Easy in profile processing, assembly and installation

The geometry of the seals in conjunction with the threshold
profiles form a continuous front surface line that guarantees
convenience in operating and service

Various sash design options



ALT W72

DOOR SYSTEM WITH INCREASED THERMAL INSULATION AND ACOUSTIC PERFORMANCE

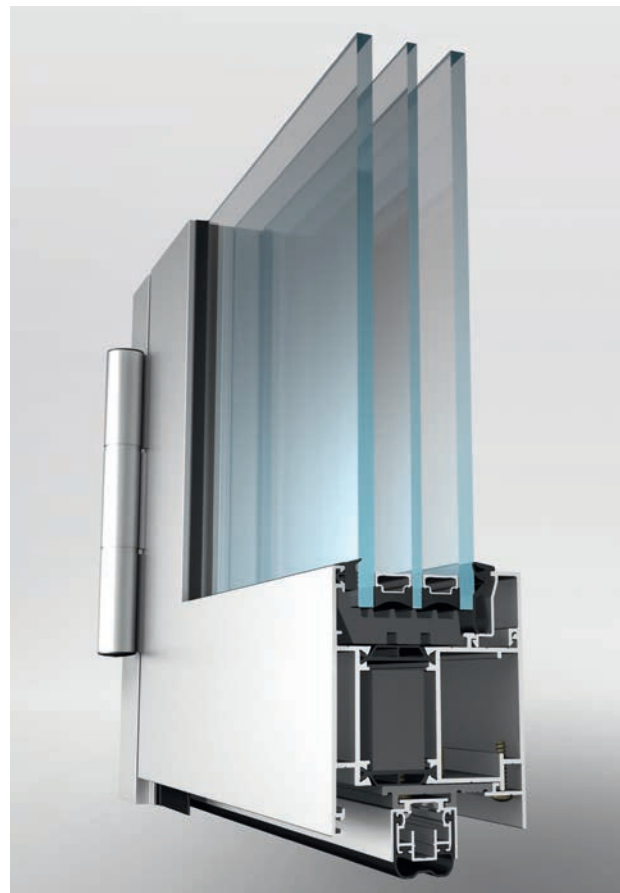


ALT W72 doors demonstrate excellent thermal insulation characteristics and ideally suit the buildings with high requirements to energy efficiency and design.

Aesthetic design perfectly combines with ALUTECH facade and window systems.



Door with thermally insulated threshold



Door with automatically drop-down threshold

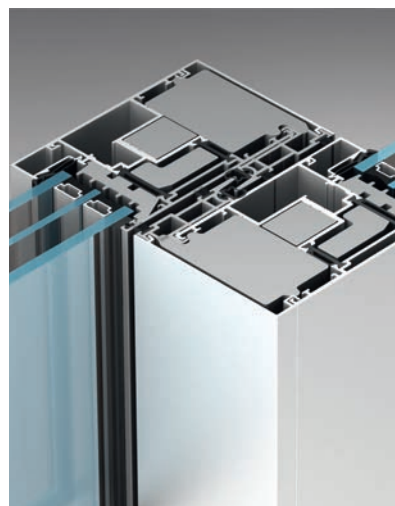
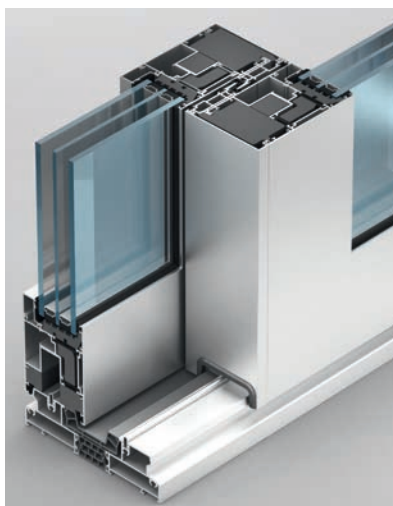
Patio doors

ALT SL160

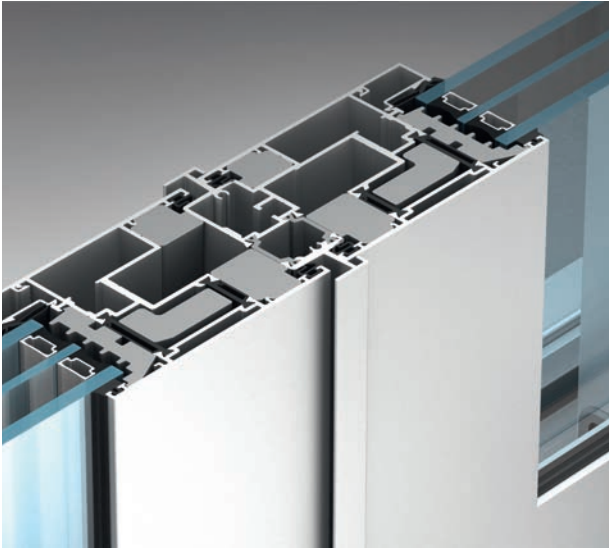
LIFT & SLIDE
DOORS



ALT SL160 lift and slide system is a modern solution for glazing of large openings in premium buildings. The functionality of the system is provided by its way of opening—the leaf does not occupy the inner space, releases large opening and allows to combine several rooms or a room with a terrace.

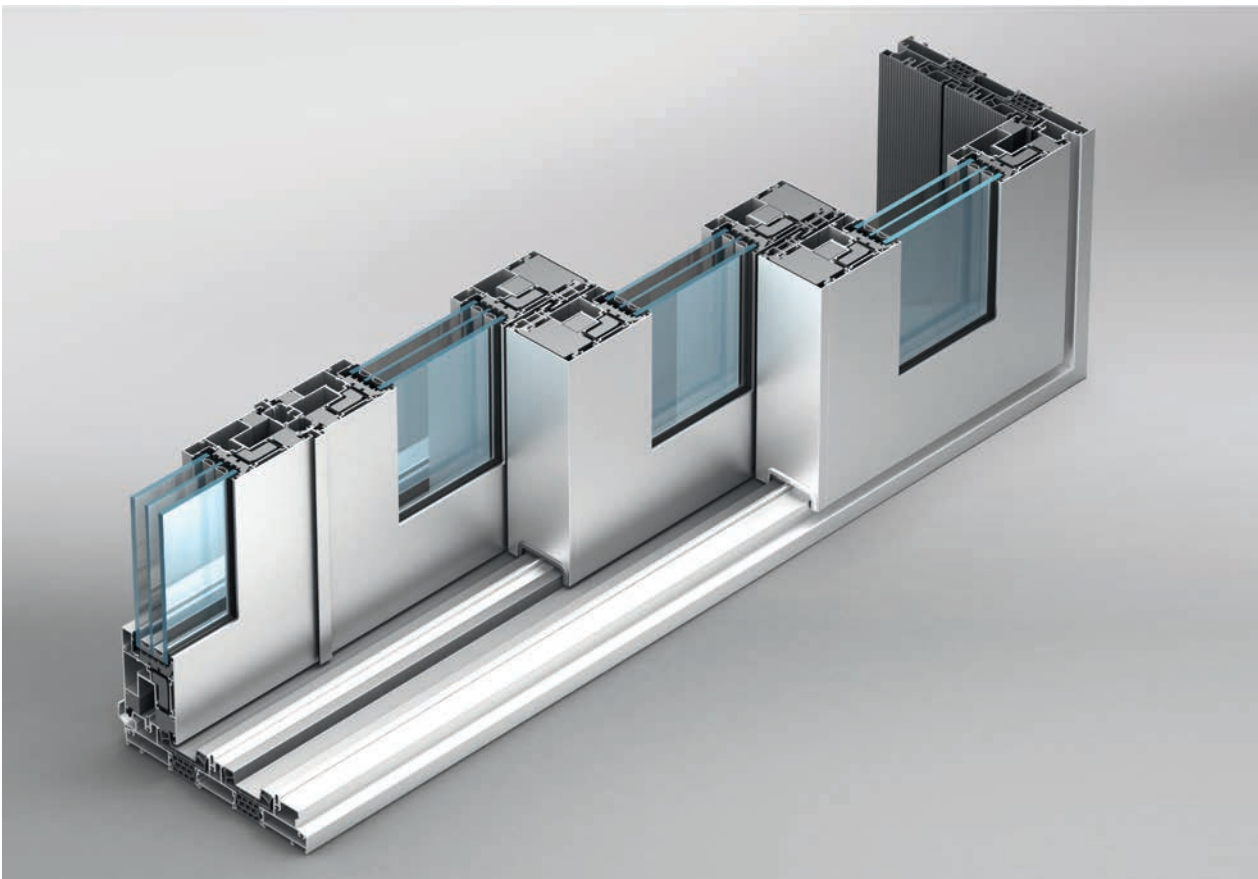


ALT SL160 system gives architects and designers vast opportunities in designing of large openings—thermally insulated lift and slide doors can replace a wall, have high burglar resistant characteristics, improve the illumination of residential premises and save useful area.



TECHNICAL CHARACTERISTICS

Frame mounting depth	6 19/64"
Thermal insulation	0.17 Btu/ft ² .°F
Sash mounting depth	2 7/8"
Maximum glazing thickness	2 1/8"
Maximum sash weight	970 lbs
Burglar resistance	WK2
Maximum sash height	up to 130"
Maximum sash width	up to 126"



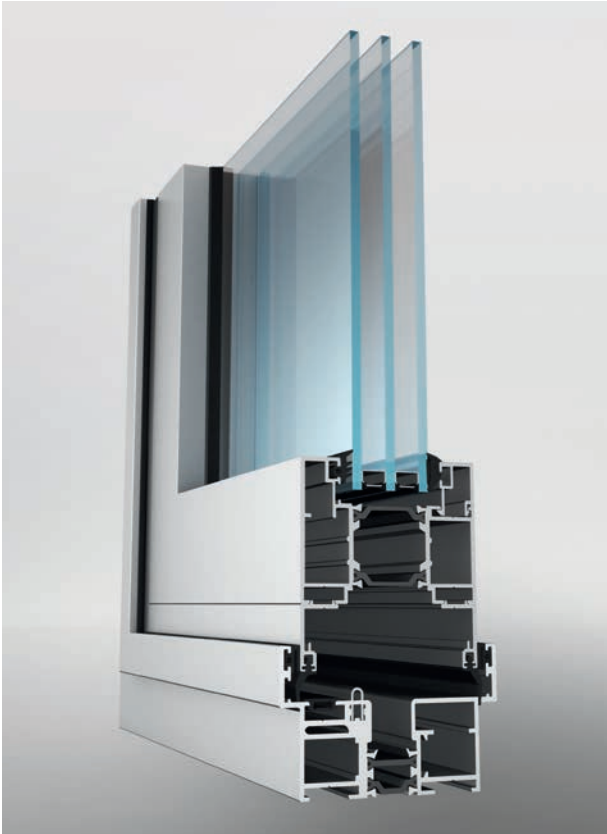
Patio doors

ALT BF73 BI-FOLDING DOORS



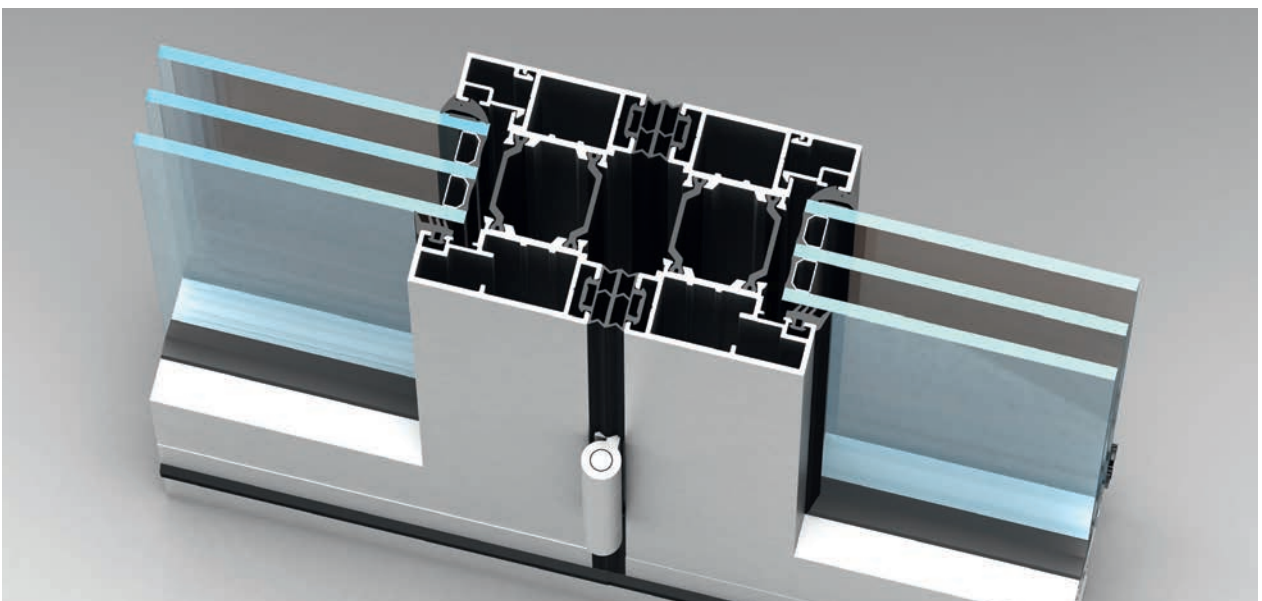
BF73 system of bi-folding panoramic doors is a modern exclusive solution designed for residential houses, as well as commercial buildings with café entrances and restaurant terraces, showrooms and meeting rooms in business centers and hotels.





TECHICAL CHARACTERISTICS

Acoustic performance	up to 36 dB
Frame mounting depth	2 7/8"
Thermal insulation	0.10-0.13 Btu/ft ² ·°F
Sash mounting depth	2 7/8"
Maximum glazing thickness	1 3/4"
Water tightness	600 Pa
Maximum sash weight	265 lbs
Burglar resistance	WK2, PAS24
Maximum sash height	up to 118"
Maximum door length	up to 256"
Maximum sash width (while using of the frame connector)	47 1/4" (up to 55")



Aluminum for New York:

AluminTechno portfolio completed with new projects in USA



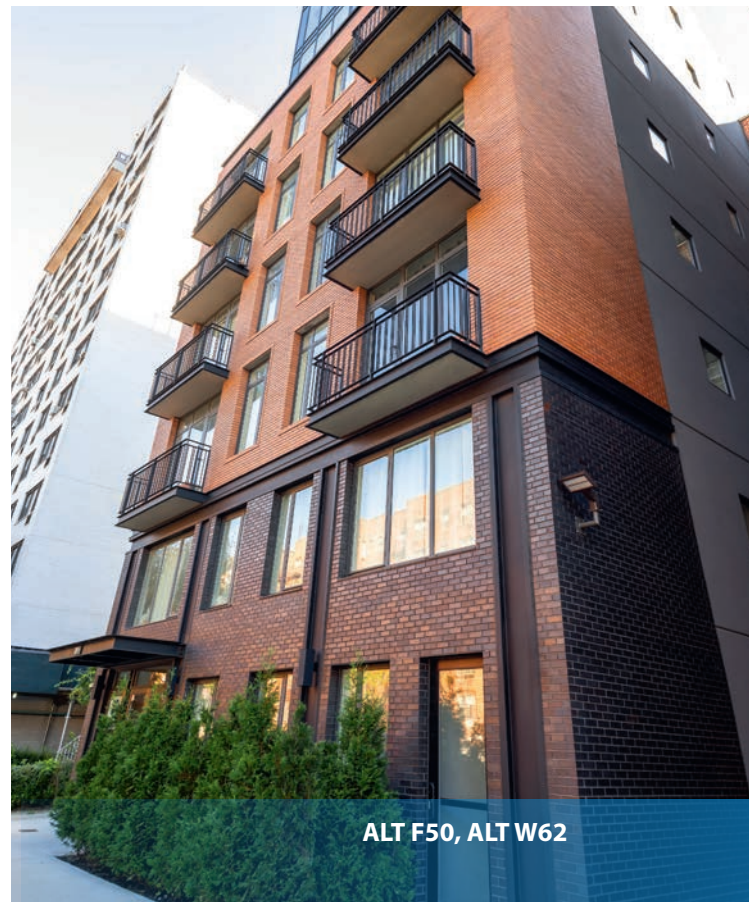
ALT F50, ALT W62, ALT GS106



ALT F50, ALT W62, ALT GS106



ALT F50, ALT W62



ALT F50, ALT W62

Aluminum for New York:

AluminTechno portfolio completed with new projects in USA





F50, W62, SF400



ALT F50, ALT W62



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Art. R17000225E
03.2019