



HARDWARE SOLUTIONS



MAKING THE WORLD A BETTER HOME



OUR PURPOSE SETS THE COURSE FOR OUR COMMON FUTURE.

Together with and for our customers, we design, manufacture and distribute materials and solutions that have a positive impact on everyone's life and provide well-being, quality of life and performance, while caring for the planet.

OUR PURPOSE IS A CALL TO ACTION.

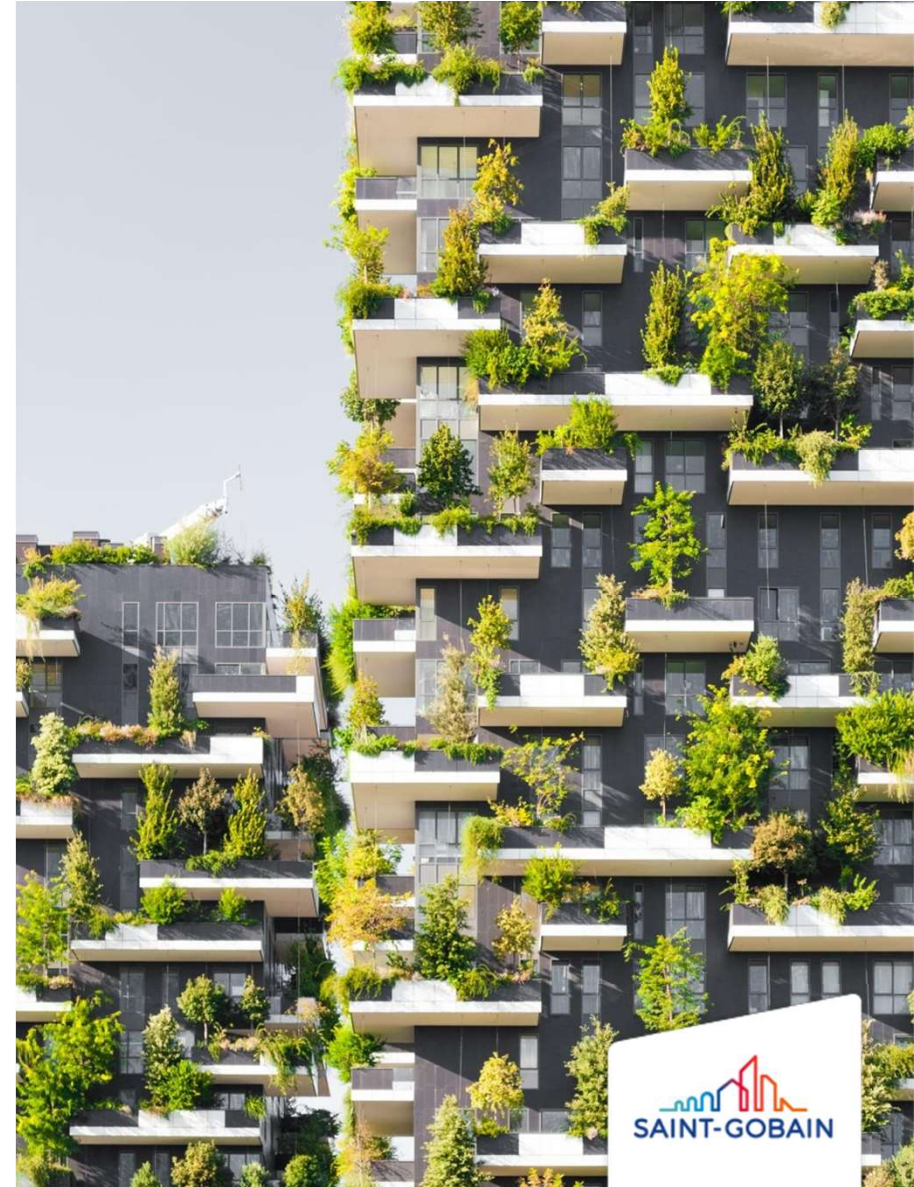
Our approach is clearly focused on the future. Together with our customers, partners and all our stakeholders, it guides our action to unleash individual and collective aspirations, and enable everyone to live better in the world. It calls on us to innovate openly, with the ever-renewed ambition of better uniting humanity and nature for the common good.

This is the profound ambition of our purpose: to act every day **TO MAKE THE WORLD A MORE BEAUTIFUL AND SUSTAINABLE PLACE TO LIVE.**

● ● ● ● ●
OUR VISION

”

The worldwide
reference in sustainable
construction improving
daily life through
performance solutions




SAINT-GOBAIN



OUR ORGANIZATION



One of the top 100 **global innovators** over the last 10 years



Commitment: **carbon neutrality in 2050**



World or European leader in most of our business



4 CONSOLIDATED REGIONS



Southern Europe, Middle-East, Africa

Northern Europe

Americas

Asia-Pacific

AND ONE GLOBAL ENTITY

High Performance Solutions





WHY SAINT-GOBAIN?

WHY SAINT-GOBAIN IS THE BEST CHOICE FOR GLASS HARDWARE?



Saint-Gobain is a world's leading manufacturer and a World Leader in Glass with over **355 years of experience** and its corresponding fittings for all type of application.



They provide comfort, performance and safety while addressing the challenges of sustainable construction, resource efficiency and climate change.



Saint-Gobain solutions can be found everywhere in our living places and our daily life:



Buildings



Transportation



Infrastructure



Many industrial applications





BUILD ON OUR INNOVATION CAPABILITIES



FOCUS OUR INNOVATION EFFORTS ON CUSTOMER NEEDS

An open innovation approach:

- Partnerships with Start ups
- Scientific and academic cooperation
- Internal venturing

INNOVATE CONSTANTLY

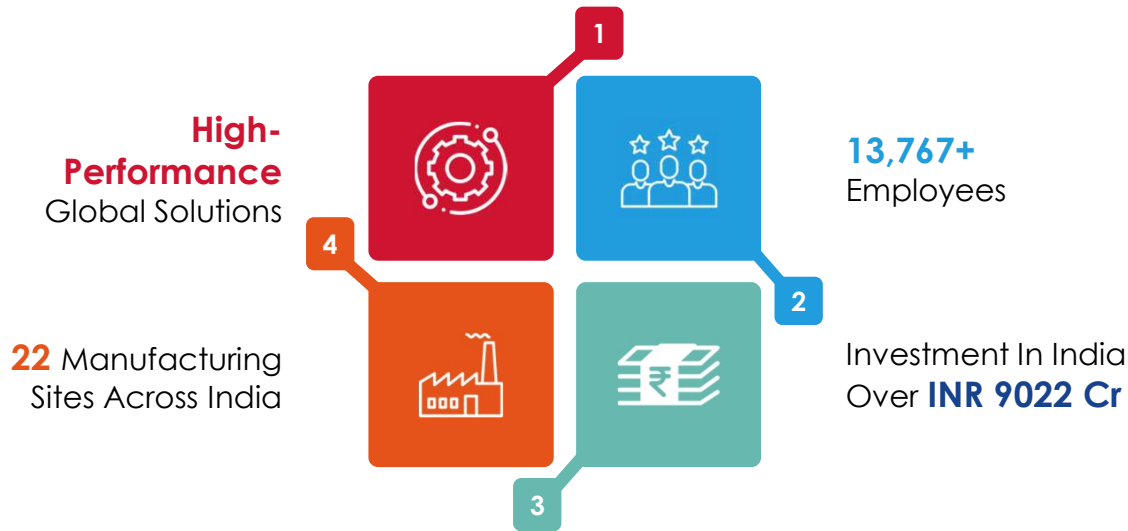
EXPLORE NEW BUSINESS MODELS

- Marketplaces
- Intermediation platforms
- Product as a service
- Licensed technologies
- Concept Sales
- Waste take back
- Recycling Services...





LEADING THE BUILDING MATERIALS SEGMENT IN INDIA



MAJOR ENTITIES

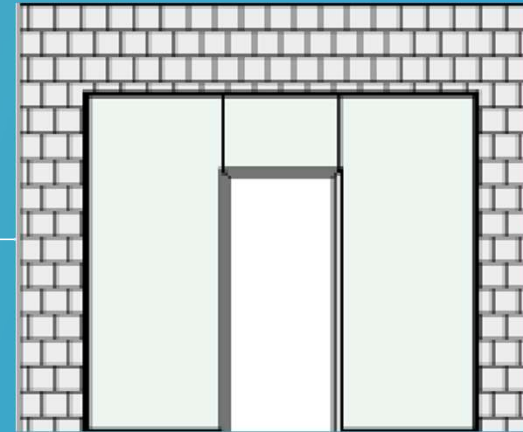


REGIONAL BUSINESSES – GLASS AND GLASS SOLUTIONS:



**PRESENTING DEMOUNTABLE
PARTITION SYSTEM**

CLIPPER OFFICE PARTITION SYSTEM



**WORLD-CLASS INNOVATION GREET
GREAT QUALITY AND PERFORMANCE**



OUR RANGE OF PARTITION SOLUTIONS

CLIPPER SLEEK

(30X21MM)



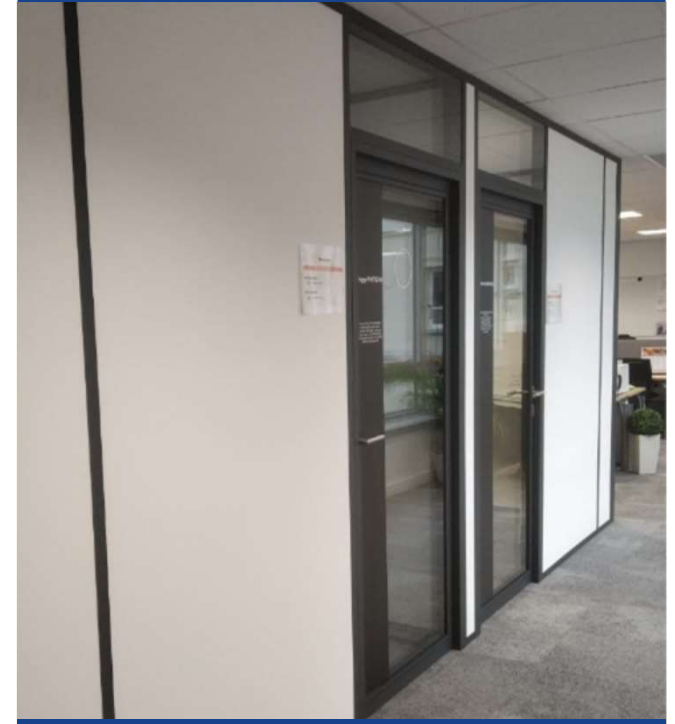
CLIPPER ELANCE

(50X58MM)



CLIPPER INFLUENCE

(38X82MM)





Clipper

Clipper designs, manufactures and distributes office partition system made of aluminum profiles declined in three ranges of frames and aluminum framed doors

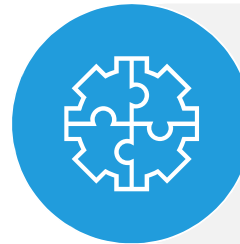


A subsidiary
of the Saint Gobain group

CLIPPER is accompany specializing in framework systems for office partitions



25 years of experience
Delivered via networks of Professional Distributors



Easy assembly
Of aluminium profiles



Rapid installation
of partition modules





VALUE PROPOSITION

Clipper

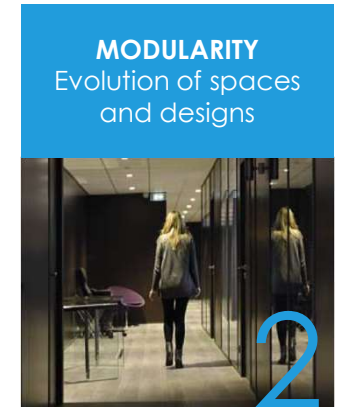
brand has been part of the

SAINT-GOBAIN group since 1997.

We design and manufacture office partitions made with aluminium profiles.



LIGHT
Comfort and energy saving



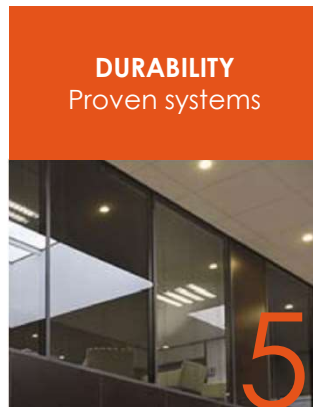
MODULARITY
Evolution of spaces and designs



ARRANGE
Organize spaces



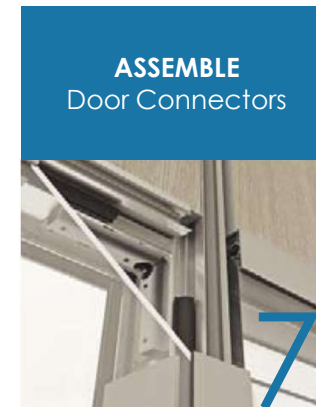
SERVICES
Customer service.
End to end solution from a single source.



DURABILITY
Proven systems



DESIGN
Fixed connectors



ASSEMBLE
Door Connectors



ACOUSTIC COMFORT
Quiet and concentration



● ● ● ● ●
BENEFITS

01

SLEEK PROFILES



02

INVISIBLE SEALS



03

**EASY
INSTALLATION**



04

**ACOUSTICS
PERFORMANCE**



● ● ● ● ●
BENEFITS

- 01 Sleek profiles
- 02 Invisible seals
- 03 Easy Installation
- 04 Acoustics performance



● ● ● ● ●
CLIPPER SLEEK

1 Sleek Profile(Black finish)

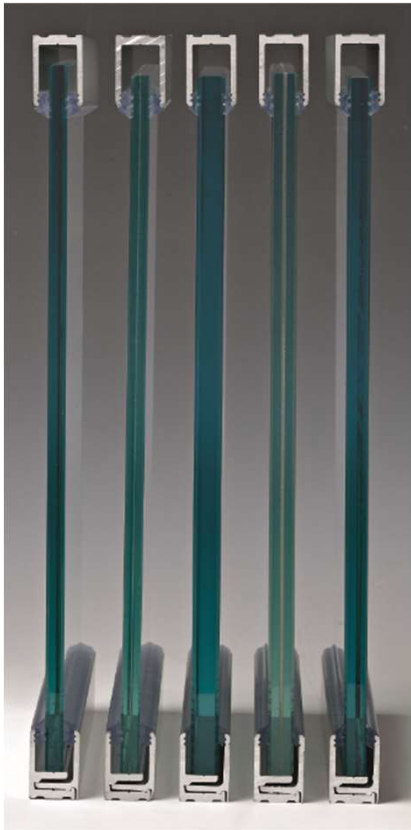


2 Sleek Profile(Alu finish)





PRODUCT DETAIL – CLIPPER SLEEK



U-Shape
Alum Profile
(30X21mm)



Alum
Snap Profile
(30X21mm)



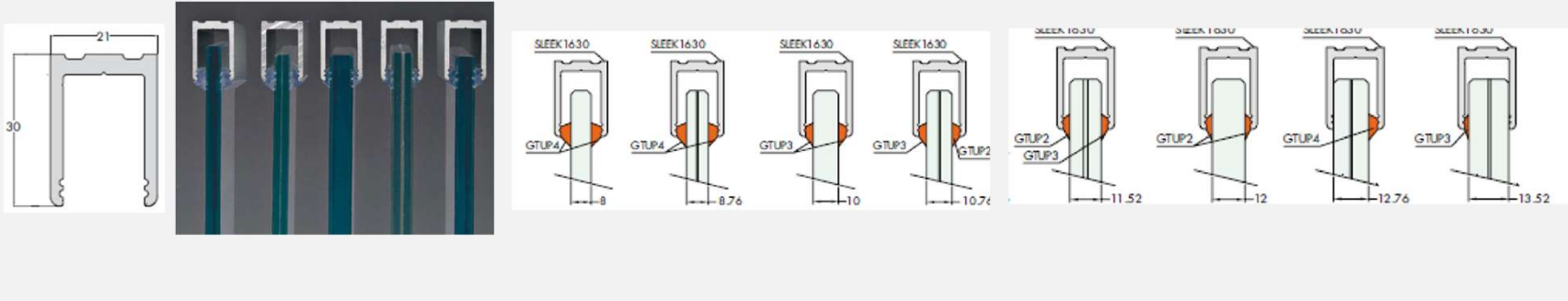
Transparent
profile Joints



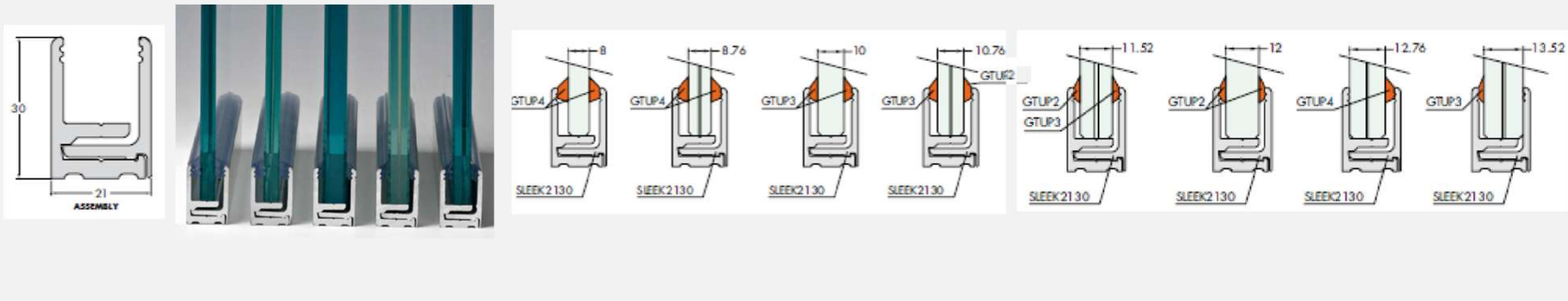


PRODUCT DETAIL – CLIPPER SLEEK

Sleek top channel can accommodate 8mm thick glass to 13.52mm thick glass



Sleek bottom channel (base and clip) can accommodate 8mm thick glass to 13.52mm thick glass





PRODUCT DETAIL – CLIPPER SLEEK HARDWARES

Glass Door Lock with Lever handle, CER4AL.



Glass Door Lock with Lever handle, CER4ALSQ.



Top & Bottom Hinges for frameless glass door



Finish:	Aluminium anodized (silver) - black matt finish	Aluminium Anodized (Silver) - Black matt finish	Silver/Matt black
Glass thickness :	8-10mm	8-10mm	8-10mm
Noise	Reducing latch	Reducing latch	
Glass Door Hinges,			
Finish:	Aluminium Anodized (Silver) - Black matt finish	Aluminium Anodized (Silver) - Black matt finish	Consisting of 1 floor pivot, 1 bottom corner hinge (height adjustable), 1 top pivot,1 top corner hinge.
Glass thickness :	8-10mm	8-10mm	
Max door width:	900mm	900mm	900mm
Max door weight:	50kg/2 hinges, 60kg/3 hinges	50kg/2 hinges, 60kg/3 hinges	50kg/2 hinges





CLIPPER ELANCE



Single glazing
10, 12, 15 mm
thickness



Double
glazing
10 or 12 mm
thickness



Offset glazing
10 or 12 mm
thickness with
aluminium
cover plate





CLIPPER PROFILES SYSTEM

The ELANCE channel with a section of 58 x 50 mm is designed to facilitate the installation of glasses

Its multi-function geometry gives it the role of unique profile for three finishes of edge to edge glazed partitions.

- Centered single glazed partitions
- Double glazed partitions
- Offset single glazed partitions with aluminum offset cover





ELANCE- JUNCTION DETAILS

1

Centered single glazing partition.

2

Double glazing partition

3

Offset single glazing partition

90deg
Connection



'T'
Connection





SWING DOOR- ELANCE

The door range from ELANCE partition provides a wide choice of composition : full height doors or included doors.



Flush aluminum framed door
57mm thick, flush on both faces of the partition.



Flush wood doors 57mm thick, flush on both faces of the partition.



Wood door
40mm thick.



Glass door
10mm thick.





ALUMINIUM FRAMED DOOR- ELANCE

- The swinging aluminum framed door range comes in perfect harmony with the three finishes of the ELANCE partition.
- The fineness of the door profiles in edge to edge glass partitions delivers a fluid and aesthetical final rendering.

1

**Centered
single glazed
aluminum
framed door.**



2

**Offset single
glazed
aluminum
framed door.**



3

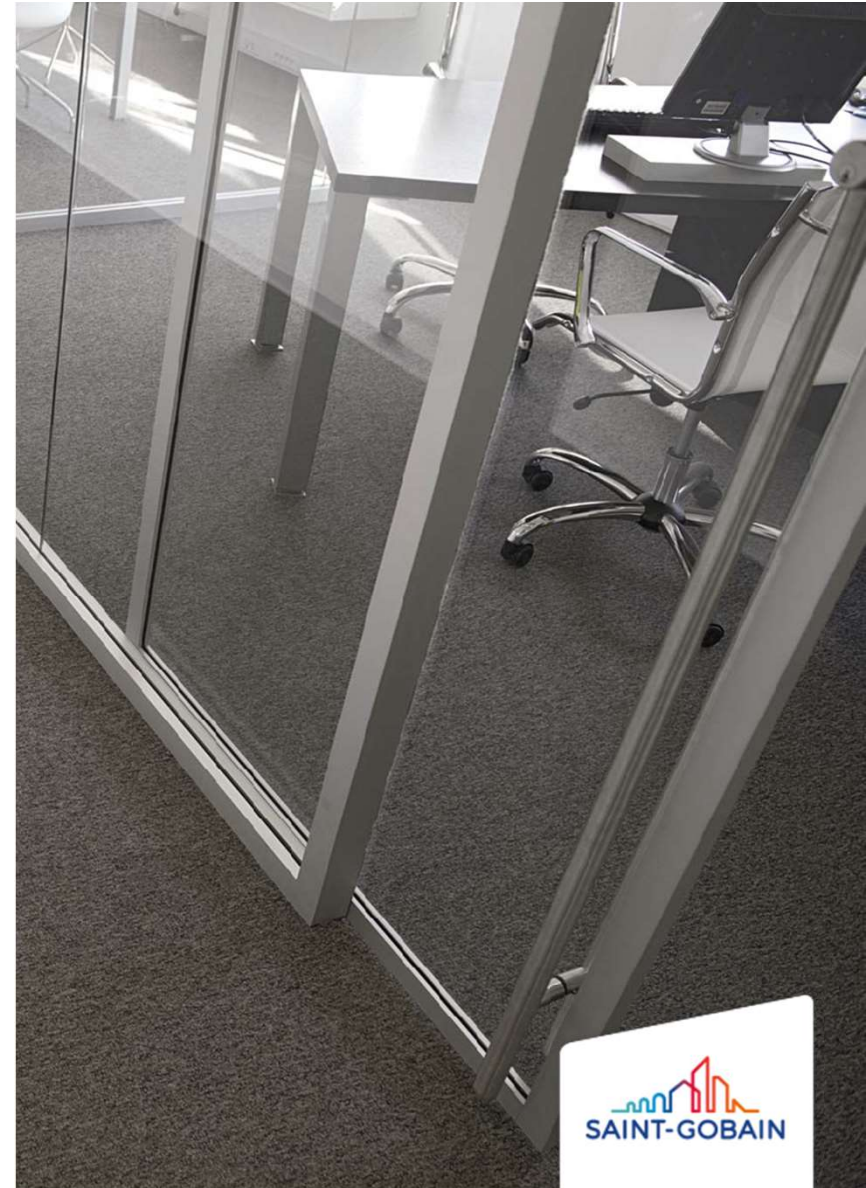
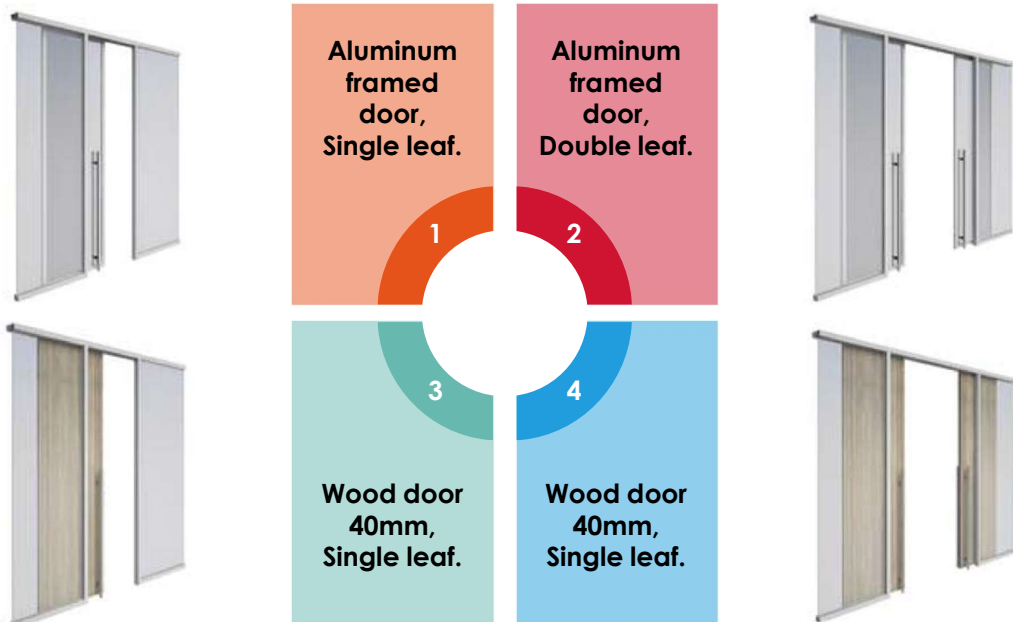
**Double
glazed
aluminum
framed door.**





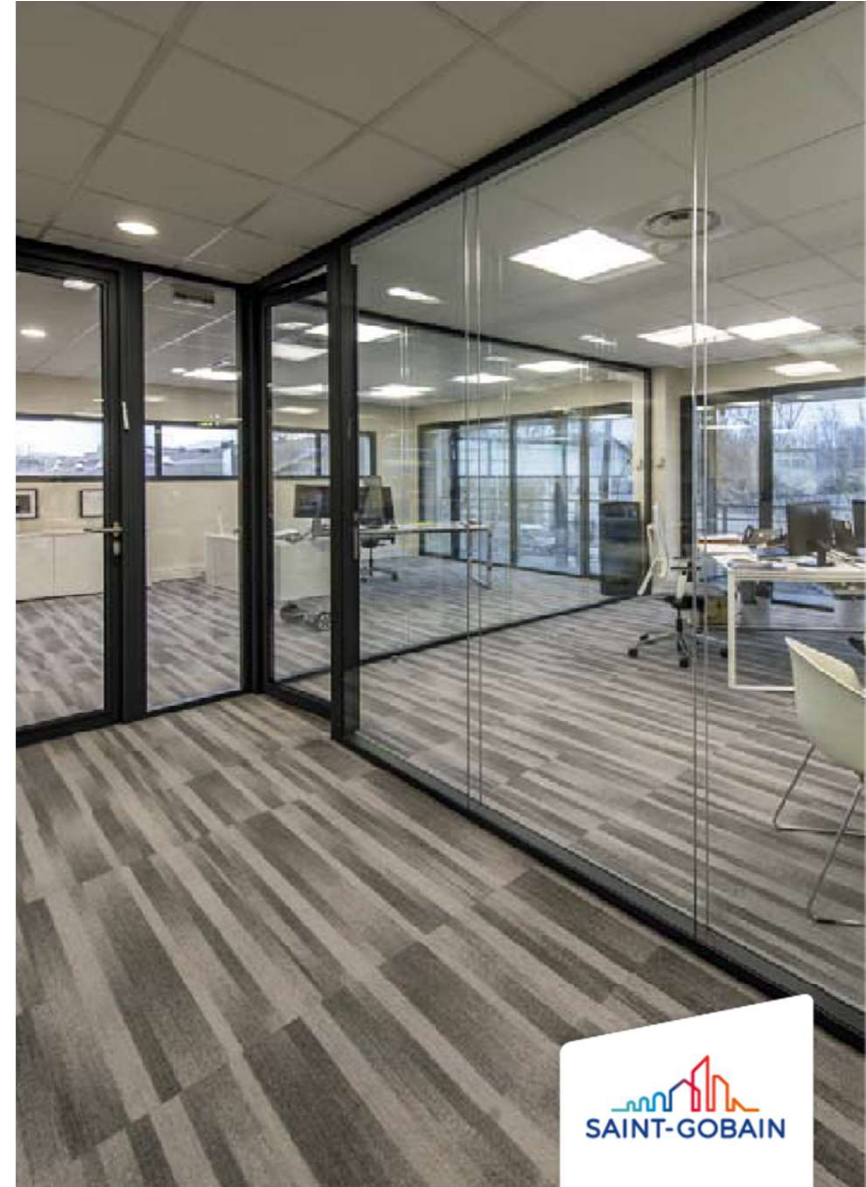
SLIDING DOORS-ELANCE

- The choice of a sliding door meets the expectations of fluidity and optimization of working spaces.





INFLUENCE PROFILE SYSTEM



i-fiL/SOLID

Solid panel partition system
with vertical recessed joint

i-7/GLAZED

Glazed panel partition system
with visible cover-strip

i-9/SOLID

Solid panel partition systems
with recessed joint multi-sections

i-nov/GLAZED

Edge to edge glazed panel
partition system

i-nov/SOLID

Edge to edge
solid panel partition system

i-7/SOLID

Solid panel partition system
with visible cover-strip





INFLUENCE PROFILE RANGE





INFLUENCE POCKET SLIDING SYSTEM



SLIDING DOORS

Optimize space.

The 1 leaf and 2 leaves sliding door design responds to the demand for greater fluidity of movement in companies and the need to create more versatile working spaces.

These doors are surface mounted/pocket sliding system and suspended from a track concealed behind an aluminium cover, which is colour-coordinated with the framework. 100 % optimized spaces.

i-range pocket sliding system
(glass partition)

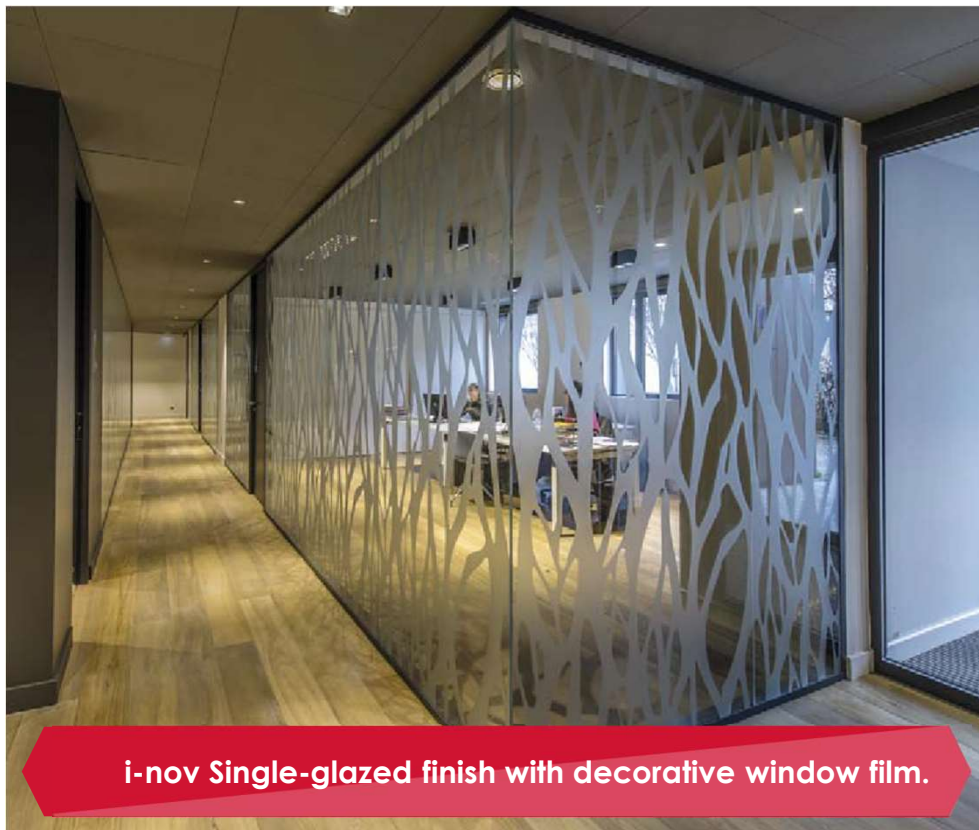


i-range pocket sliding system
(wooden partition)

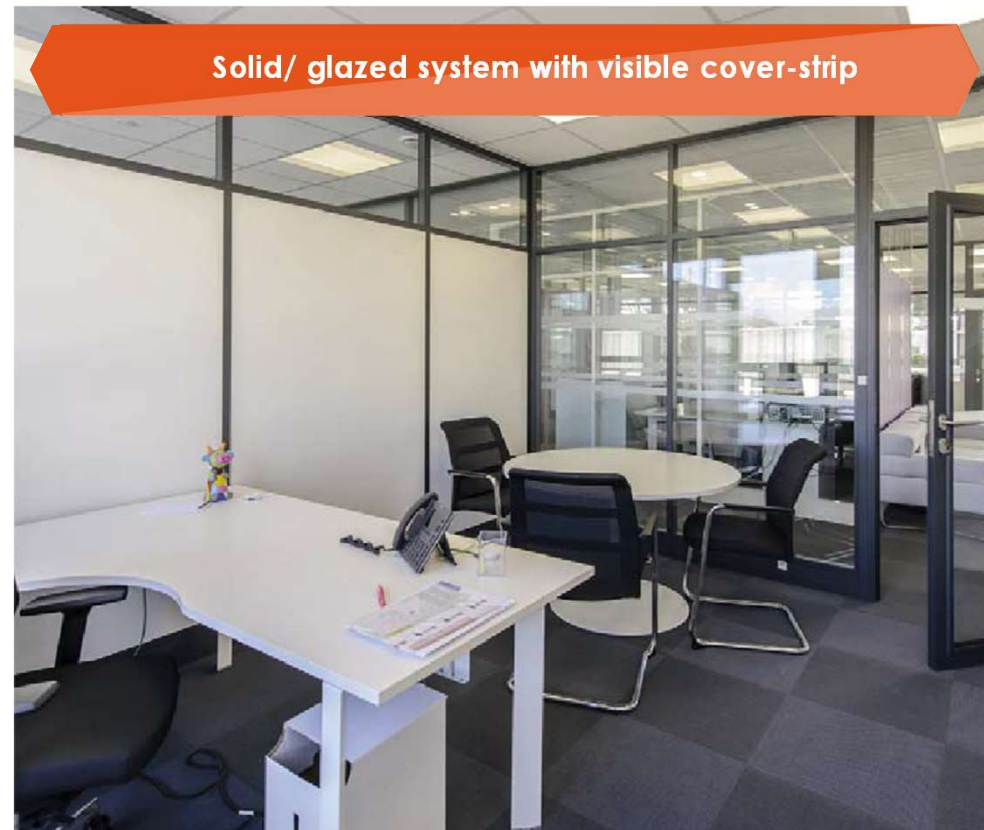




INFLUENCE PROFILE SYSTEM



i-nov Single-glazed finish with decorative window film.



Solid/ glazed system with visible cover-strip

ACOUSTIC PERFORMANCE

The sound reduction index, weighted RA, is the variable used to characterize the ability of a structure (partitions) to dampen sound transmission.

It is measured in a laboratory, in the absence of any lateral transmission.

The usual minimum acoustic performance required is:

- / RA = 38 dB for solid partitions
- / RA = 28 dB for solid partitions with an integrated door unit
- / RA = 36 dB for double-glazed partitions

	Finish i-7 SOLID	Finish i-7 GLAZED	Finish i- nov SOLID Edge to edge	Finish i- nov GLAZED Edge to edge
Ra 30	With wood door Rw (C, Ctr) 31 (0, -1) dB			
Ra 32	With aluminium frame door, single glazed Rw (C, Ctr) 33 (-1, -2) Db			
Ra 33	With aluminium frame door, double glazed Rw(C, Ctr) 34 (-1, -3) dB			
Ra 36				Single glazed, glued joints 55/2 Rw (C, Ctr) 36 (0, -2) dB or Double- glazed, glued joints 2 x 10 mm Rw (C, Ctr) 40 (-4, -4) dB
Ra 38			Plaster BR 13 + GW 45 Rw (C, Ctr) 40 (-2, -7) dB	
Ra 39	BF 13 + GW 45 + acoustimouss Rw (C, Ctr) 41 (-2, -7) dB			





ACOUSTIC PERFORMANCE

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Ra 33	With aluminium frame door, double glazed Rw (C, Ctr) 34 (-1, -3) dB			
Ra 36				Single glazed, glued joints 55/2 Rw (C, Ctr) 36 (0, -2) dB or Double-glazed, glued joints 2 x 10 mm Rw (C, Ctr) 40 (-4, -4) dB
Ra 38			Plaster BR 13 + GW 45 Rw (C, Ctr) 40 (-2, -7) dB	
Ra 39	BF 13 + GW 45 + acoustimouss Rw (C, Ctr) 41 (-2, -7) dB			
Ra 40	BF 13 + acoustimouss + GW 55 Rw (C, Ctr) 43 (-3, -9)	Double-glazed full height 33/2 + 33/2 Stadip Rw (C, Ctr) 42 (-2, -5)	Plaster BR 13 + GW 45 + two-sided EPDM membranes Rw (C,Ctr) 42 (-2, -6) dB.	Double-glazed, glued joints, tempered 10 + 55/2 Stadip Rw (C,Ctr) 42 (-2, -4)





ACOUSTIC PERFORMANCE

	Finish i-7 SOLID	Finish i-7 GLAZED	Finish i- nov SOLID Edge to edge	Finish i-nov GLAZED Edge to edge
Ra 40	BF 13 + acoustimouss + GW 55 Rw (C, Ctr) 43 (-3, -9)	Double- glazed full height 33/2 + 33/2 Stadip Rw (C, Ctr) 42 (-2, -5)	Plaster BR 13 + GW 45 + two-sided EPDM membranes RW (C, Ctr) 42 (-2, -6) dB	Double- glazed, glued joints, tempered 10 + 55/2 Stadip Rw (C, Ctr) 42 (-2, -4)
Ra 41	BF 13 Placophonique® + Acoustimouss + GW 45 Rw (C, Ctr) 44 (-3, -9)		<p>Acoustic barrier for acoustic bridges in demountable ceilings</p>	Double- glazed, glued joints, tempered 10 + 66/2 Stadip Rw (C, Ctr) 42 (-1, -4)
Ra 42	BF 13 + two-sided EPDM membranes Rw (C, Ctr) 46 (-4, -11) dB	Double- glazed full height 33/2 + 44/2 sgg STADIP Silene Rw (C, Ctr) 44 (-1, -5) dB		
Ra 43	BF 13 Placophonique® + Accoustimouss + GW 55 Rw (C, Ctr) 46 (-3, -9)	Double- glazed full height 33/2 + 44/2 sgg STADIP Silence Rw (C, Ctr) 44 (-1, -5) dB or Double- glazed full height 44/2 + 55/2 sgg STADIP Rw (C, Ctr) 44 (-1, -3) dB		Double- glazed, glued joints 55/2 + 66/2 Stadip Rw (C, Ctr) 44 (-1, -4)
Ra 44		Double- glazed full height 44/2 + 44/2 sgg STADIP Rw (C, Ctr) 45 (-1, -5) dB or Double- glazed full height 55/2 + 44/2Rw (C, Ctr) 45 (-1, -4)		
Ra 45	BF 13 Placophonique® + GW 45 + two- sided EPDM membranes Rw (C, Ctr) 48 (-3, -7)			



**ANY
QUESTIONS**





**THANK
YOU**

