

DOPLO

OPEN UP YOUR SPACE.
OPEN UP YOUR HOME.

Bi-fold door system



THERMIA[®]
BARCELONA



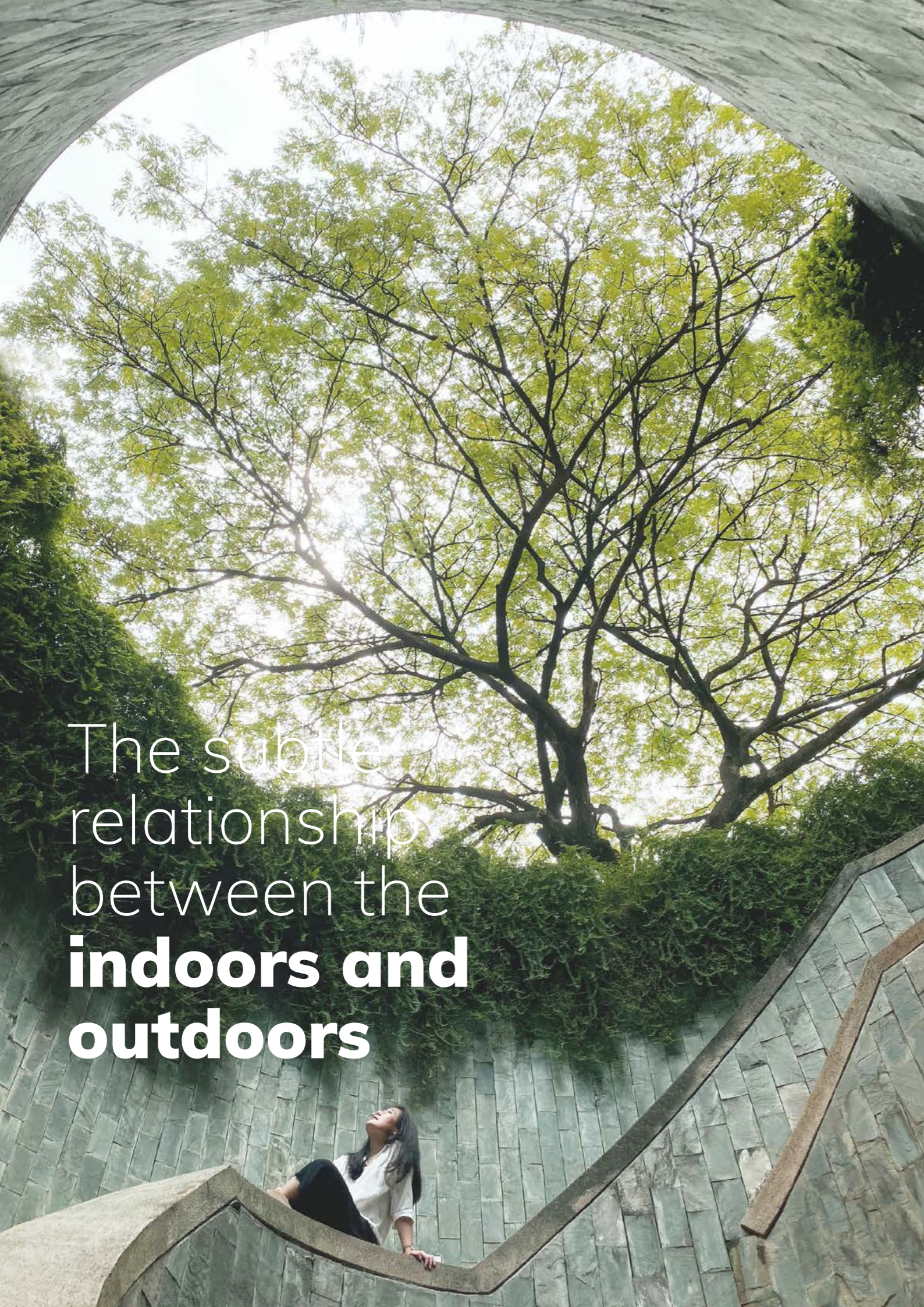
**Design
Comfort
Silence**

Folding and unfolding are actions that implicitly entail objectives as versatile as savings, insulation, growth, and adaptation to the environment. Nature is home to unparalleled technological ingenuity, ever the great source of learning.

Folding and unfolding are also a form of conquest, a victory over the space that surrounds us; a pleasant, two-way conversation with the environment that we feel like having now, but later perhaps not.

In folding we discover our ability to manipulate inhabited spaces at will, and to create infinity from the finite.

Folding is an essential element of natural processes. Evolution has provided plants with highly efficient ways to grow and unfold.

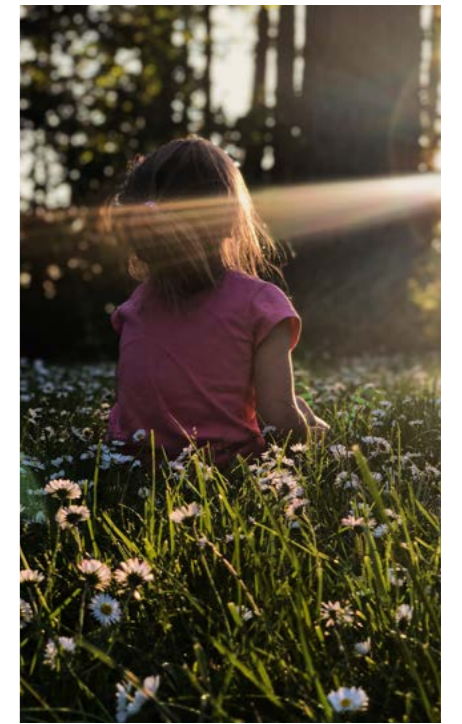


The subtle
relationship
between the
**indoors and
outdoors**

5

Thermia PR77 DOPLO

Architecture, alongside interior design, is about sculpting, changing, adjusting, organizing and composing spaces. These spaces are often divided into two blocks: indoors and outdoors.



The indoors is shelter and comfort, the place where privacy even has a favorite little corner. The outdoors is openness, the connection with the other; the living, breathing world, public space and also the place for exploration.



Thermia **Doplo**, the dynamic door that opens space up.

Doplo is a **bi-fold door** ensuring the best insulation and airtight fit designed for large openings and for quick and easy folding and unfolding.



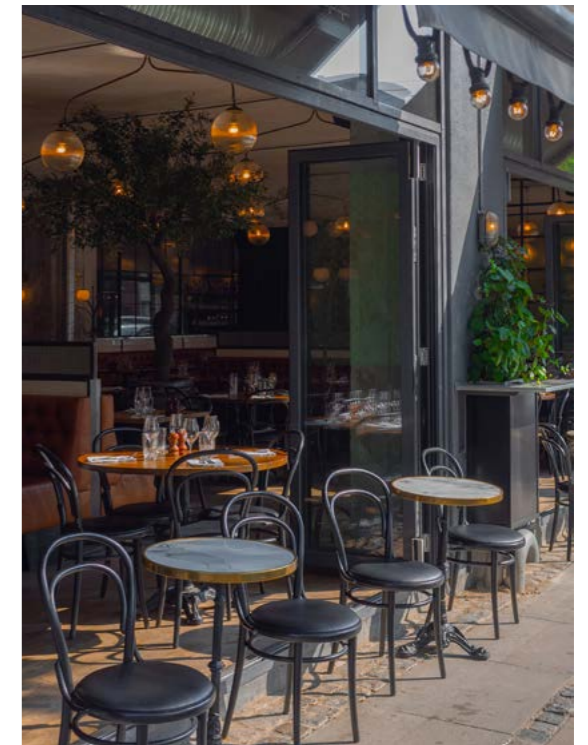
This movement helps us create new settings in a space in an agile and simple way.



Expanding or reducing our surroundings however we want.

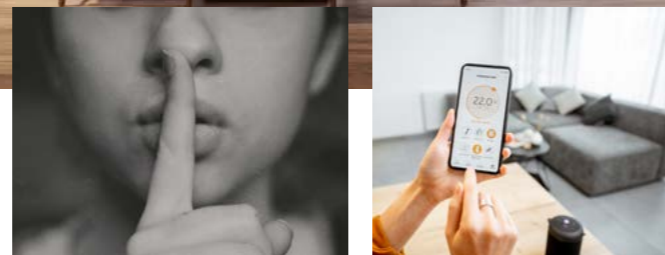
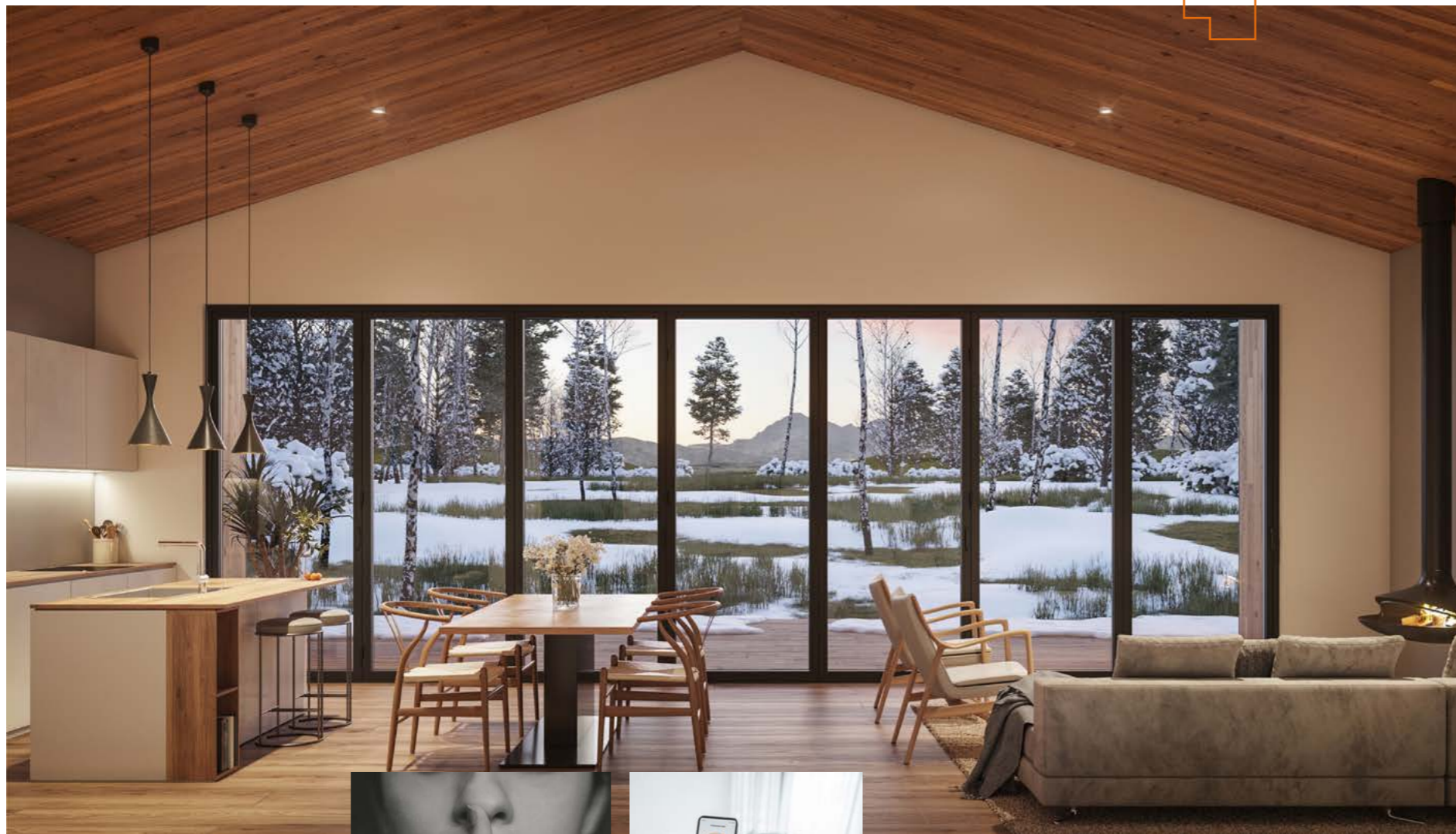
The Thermia DOPLO bi-fold system provides professionals with a great solution for livening up a room, as doors can be folded and pushed together easily according to project needs.

Transform large openings to the outdoors into a continuous plane thanks to its ability to fold up and be fully stacked together at the sides of the opening.



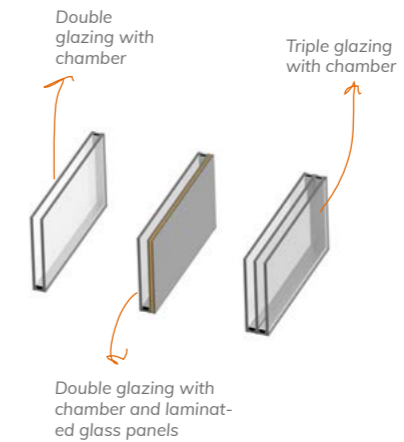
Thermia Doplo is a powerful functional tool that will protect the indoors with all the properties of thermal and acoustic insulation, and ignite the imagination of any designer eager to sculpt and organize space.

Insulating technology



The insulation and airtight fit of Thermia Doplo make it an ideal solution for designs requiring elasticity and comfort.

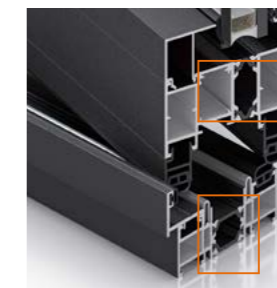
Design
Comfort
Silence



GLAZING

Its great glazing capacity facilitates the installation of high-insulating glass compositions.

49 mm
Maximum glazing capacity



THERMAL BREAK (TB)

Thermia Doplo is an aluminum system with a 14 mm thermal break built into the profiles.

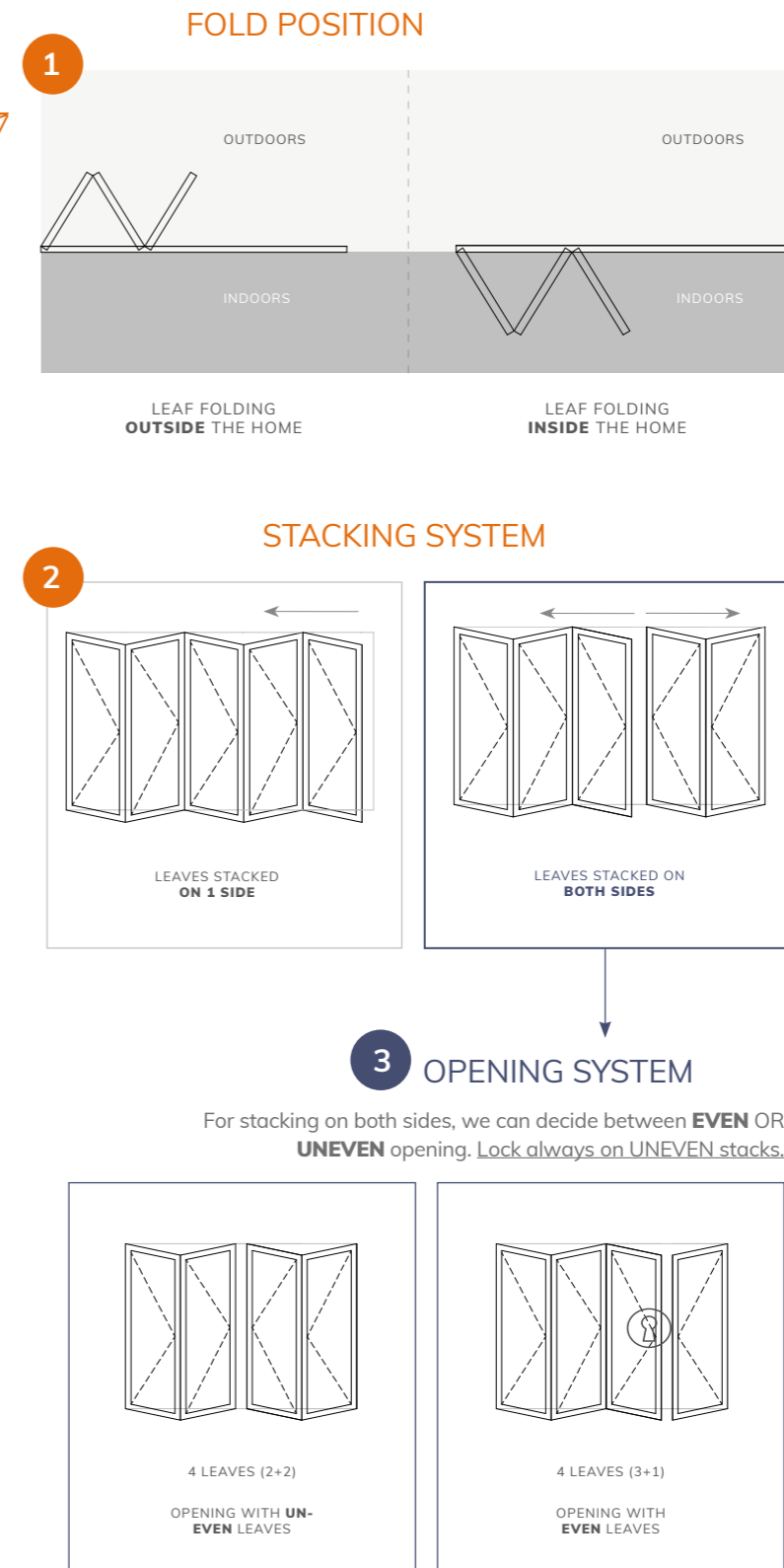
14 mm leaf TB capacity **24 mm frame** TB capacity



EPDM JOINTS

The watertight joints and seals are made from EPDM, ensuring the sealing properties of the doors for many years.

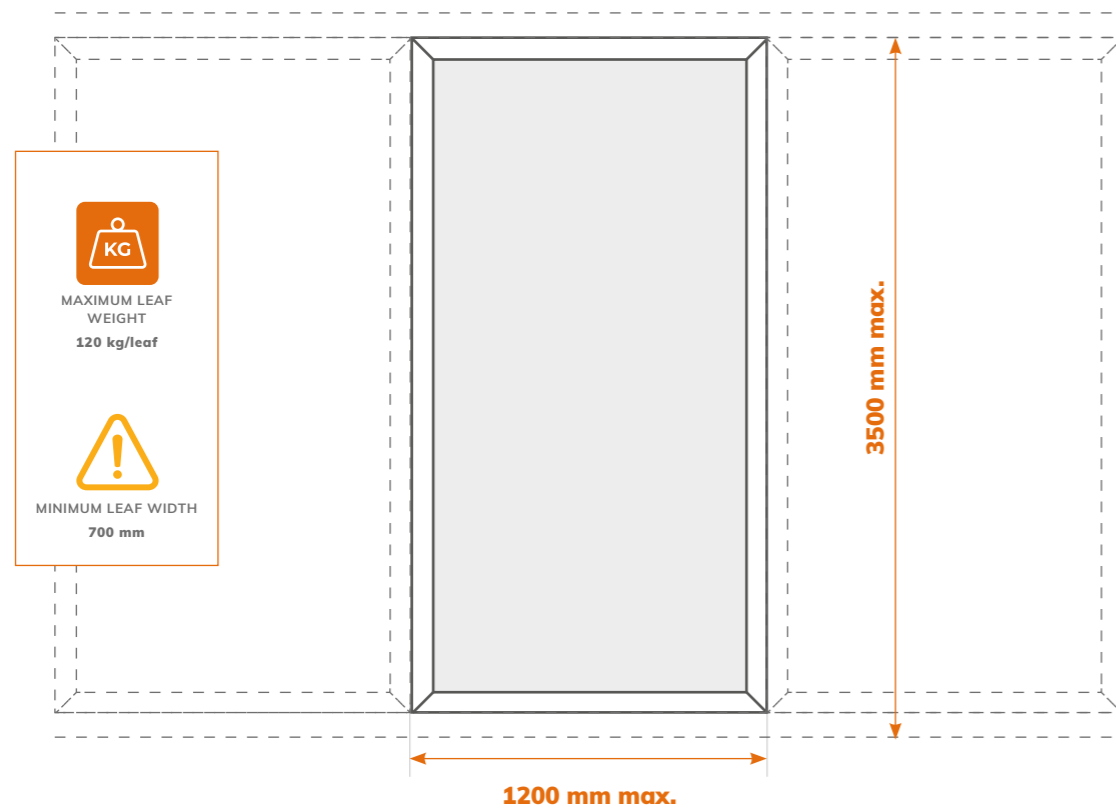
Almost infinite **opening and folding** combinations.



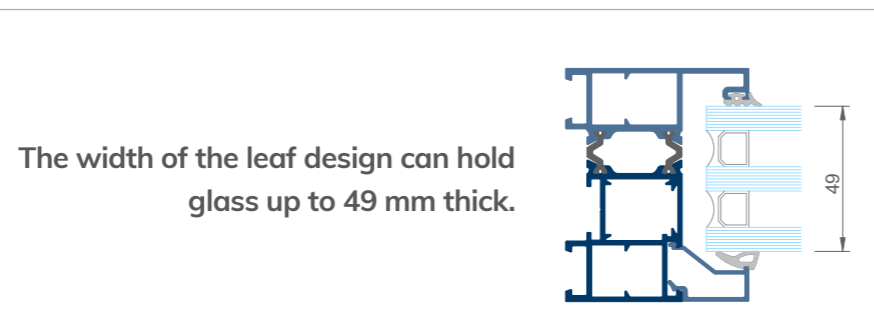
You can see more possible combinations in our technical catalog



Leaf dimensions



The leaves used in the system are designed so they can be up to 1.2 meters wide and 3.5 meters tall.



Quality & trust



Air permeability
4*

Watertightness
7A*

Wind resistance
C2*

Thermia Doplo has been tested and approved by European laboratories offering excellent performance against atmospheric agents.

* Results from ENSATEC reports with test number 254577, and based on Annex E of standard EN 14351-1:2006+A2:2016.



Smooth fittings



Thanks to the design and technology applied to the fittings, Thermia Doplo has a smooth and harmonious opening motion.

The easy handling makes it an **interesting architectural element** when creating divisions for **dynamic spaces**.

Sliding fittings



Maneuver fittings

WITH LOCK (security)



A000 23109



A000 3132



A000 23134

WITHOUT LOCK

Main leaf



A000 23800



A000 3272



A000 3277

Secondary leaves



A000 23400



PR773126

For greater integration, handles can be lacquered in the same color as the frames.



Anatomy of the Thermia DOPLO bi-fold door system

The Thermia PR77 DOPLO bi-fold door is a system with all the benefits and guarantees of an airtight fit.



EUROPEAN QUALITY.
All the components are sourced in Europe.



All the surface treatments have the **Qualicoat, Qualanod, and Qalideco** quality seals for woodgrain



Excellent performance against atmospheric agents



The smooth action of the fittings ensures an extremely fluid motion.



Solution for large glazed fronts



Thermia PR77 DOPLO

Bi-fold door system

SERIES FEATURES	
Thermal break (TB)	Yes / 12 mm - 24 mm
Main frame	77 mm
Main leaf	77 mm
General thickness of the profiles	1.5 mm
Maximum glazing	49 mm
Maximum leaf weight	120 kg / leaf
Maximum dimensions per leaf	1200 mm x 3500 mm
90° frameless KISS closure solution	Yes
Available profiles	Frame / Leaf / Door accessory

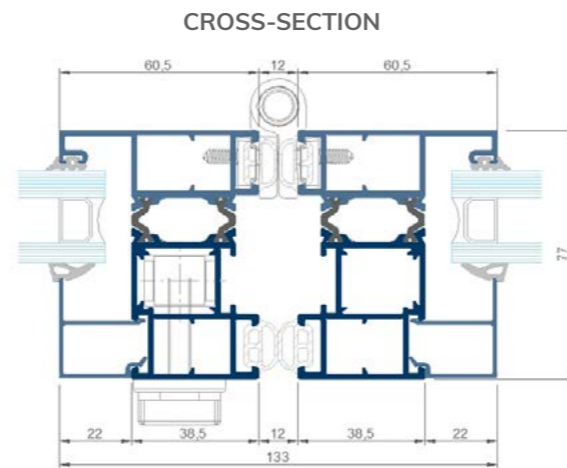


	THERMAL	Door $U_w = 1.60 \text{ W/m}^2\text{k}^*$ * According to EN10077-02 Bi-fold door 5 leaves 6 m x 3.5 m $U_g = 1.1$ $\psi = 0.053$ $U_f \text{ profile} = 3.30 \text{ W/mk}^2$
	ACOUSTICS	Estimated sound attenuation up to Rw 40 dB. with 44A/cam/44A acoustic laminated glass

TEST RESULTS

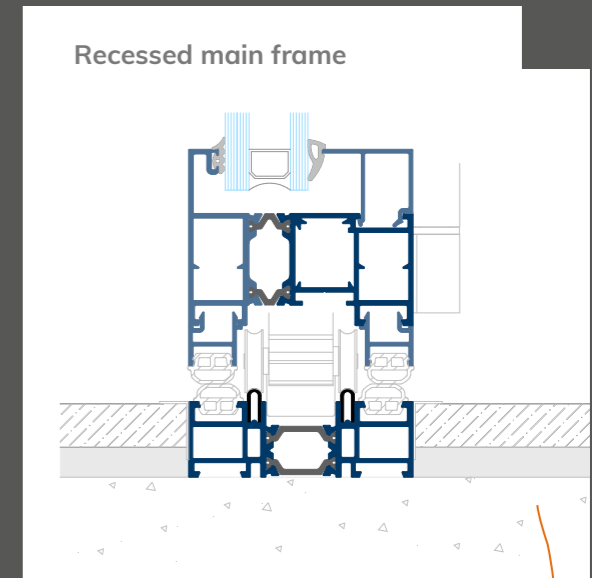
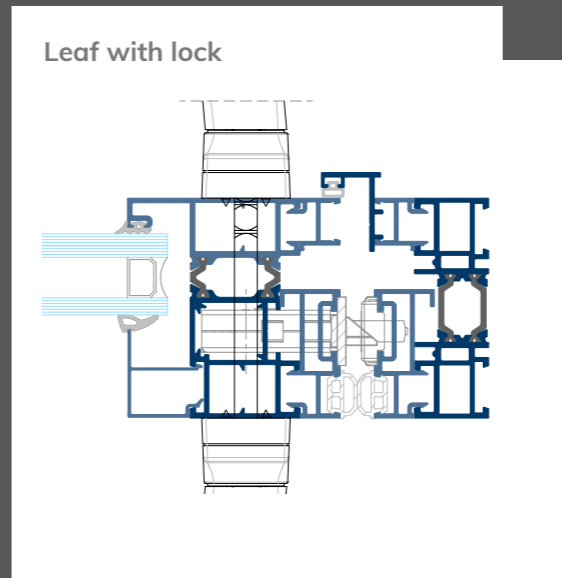
	Air permeability	4
	Watertightness	7A
	Balcony door wind resistance	C2

Results from ENSATEC laboratory tests with document No. 254577, based on Annex E of standard EN-14351-1:2006+A2:2016



Structural solutions

90° solution



Design
Comfort
Silence

Zero architectural barriers.

The Thermia Doplo bottom rail can also be recessed into the floor to remove any architectural barriers between the indoors and outdoors.

Quality seals



Qualanod seal for anodization
License number: 1014



Qualicoat seal for lacquer
License number: 405



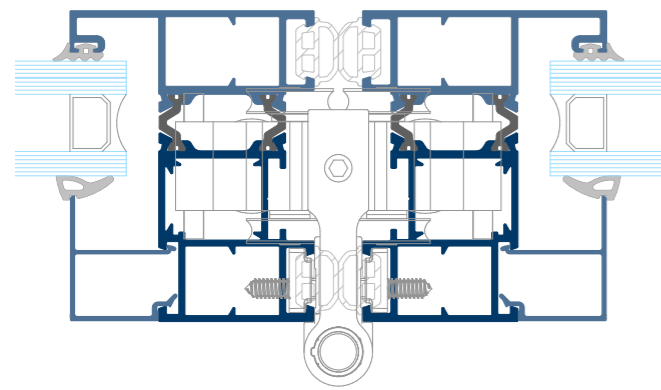
Qualideco seal for woodgrain
License number: ES-0009F

Certification

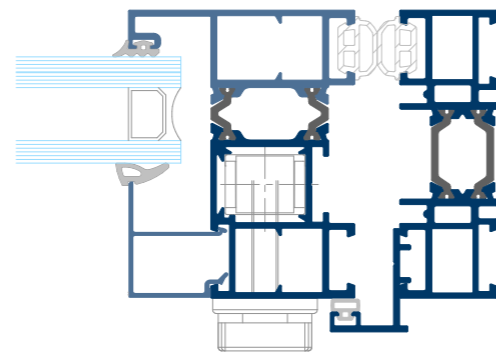


THERMIA BARCELONA®
EN14351-1:2006+A2:2016

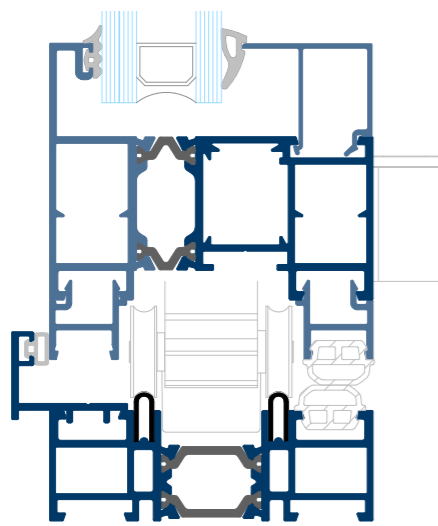
Structural cross-sections



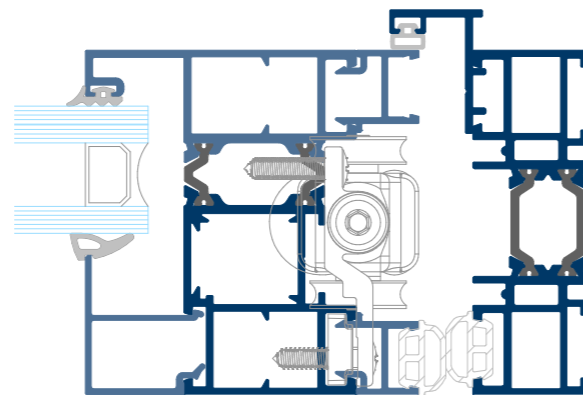
CENTRAL HORIZONTAL CROSS-SECTION WITH UNEVEN FITTINGS



LATERAL HORIZONTAL CROSS-SECTION WITH UNEVEN LEAVES



LOWER VERTICAL CROSS-SECTION (INNER OPENING)



LATERAL LEAF CROSS-SECTION EVEN LEAVES



NOTE: The cross-section drawings are NOT to scale



Everything begins with light, and our doors are the vehicle for you to enjoy it anytime.

Windows for a better life

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BARCELONA



THERMIA®

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