

ALUMINCO[®]
ALUMINIUM BUILDING SYSTEMS



FD 4600

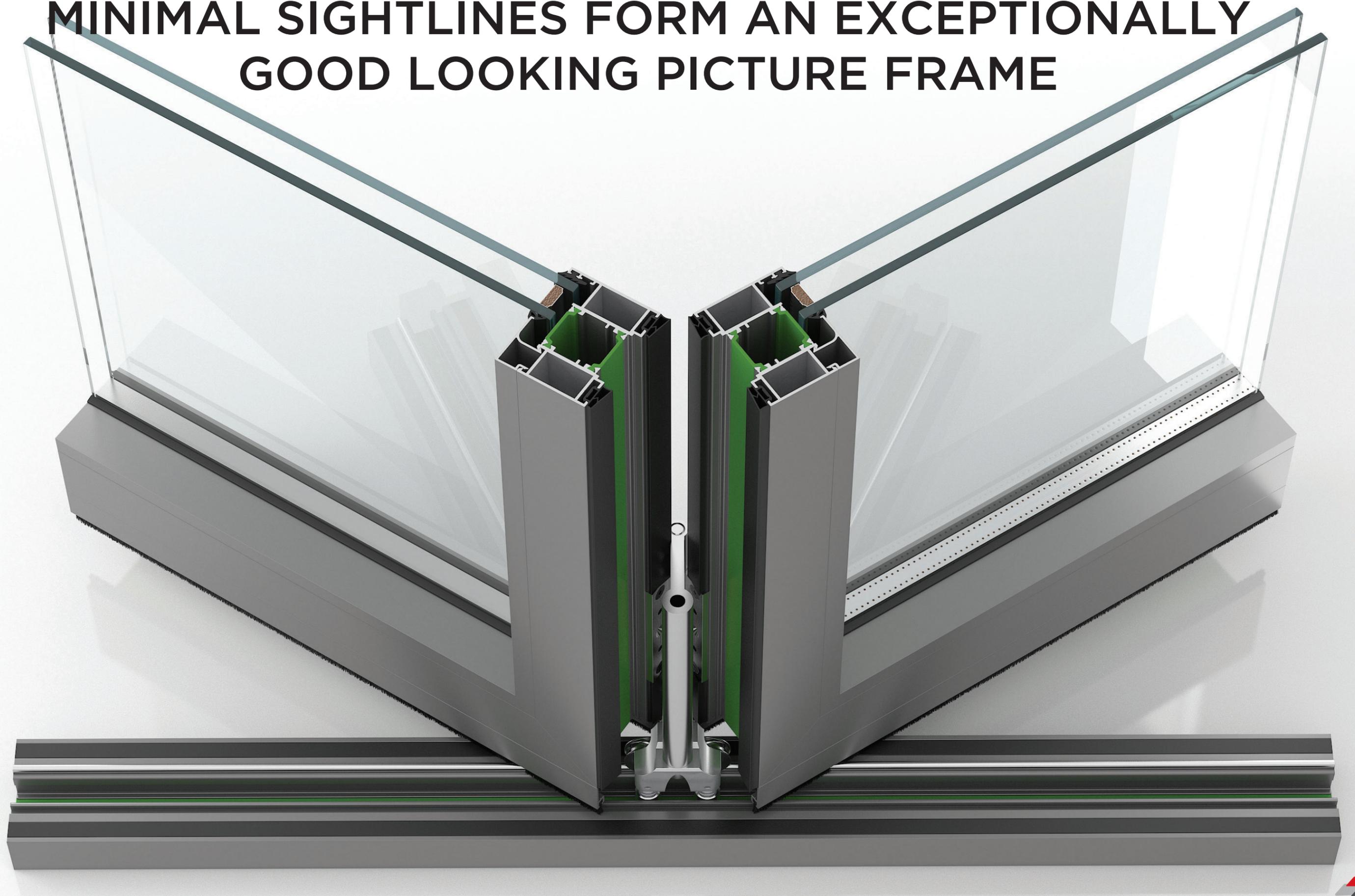
FOLDING THERMAL
INSULATING DOOR SYSTEM
FOR HIGH COMFORT &
MAXIMAL TRANSPARENCY

THE DESIRE TO
CREATE LIVING
SPACES FILLED
WITH DAYLIGHT
WAS NEVER SO
FEASIBLE.

FD4600 is a top class
insulating system
for folding doors,
offering extremely
high performance
and impressive, out of
competition, properties.



**MINIMAL SIGHTLINES FORM AN EXCEPTIONALLY
GOOD LOOKING PICTURE FRAME**





POSSIBILITY OF OPEN CORNERS WITHOUT ANY POST

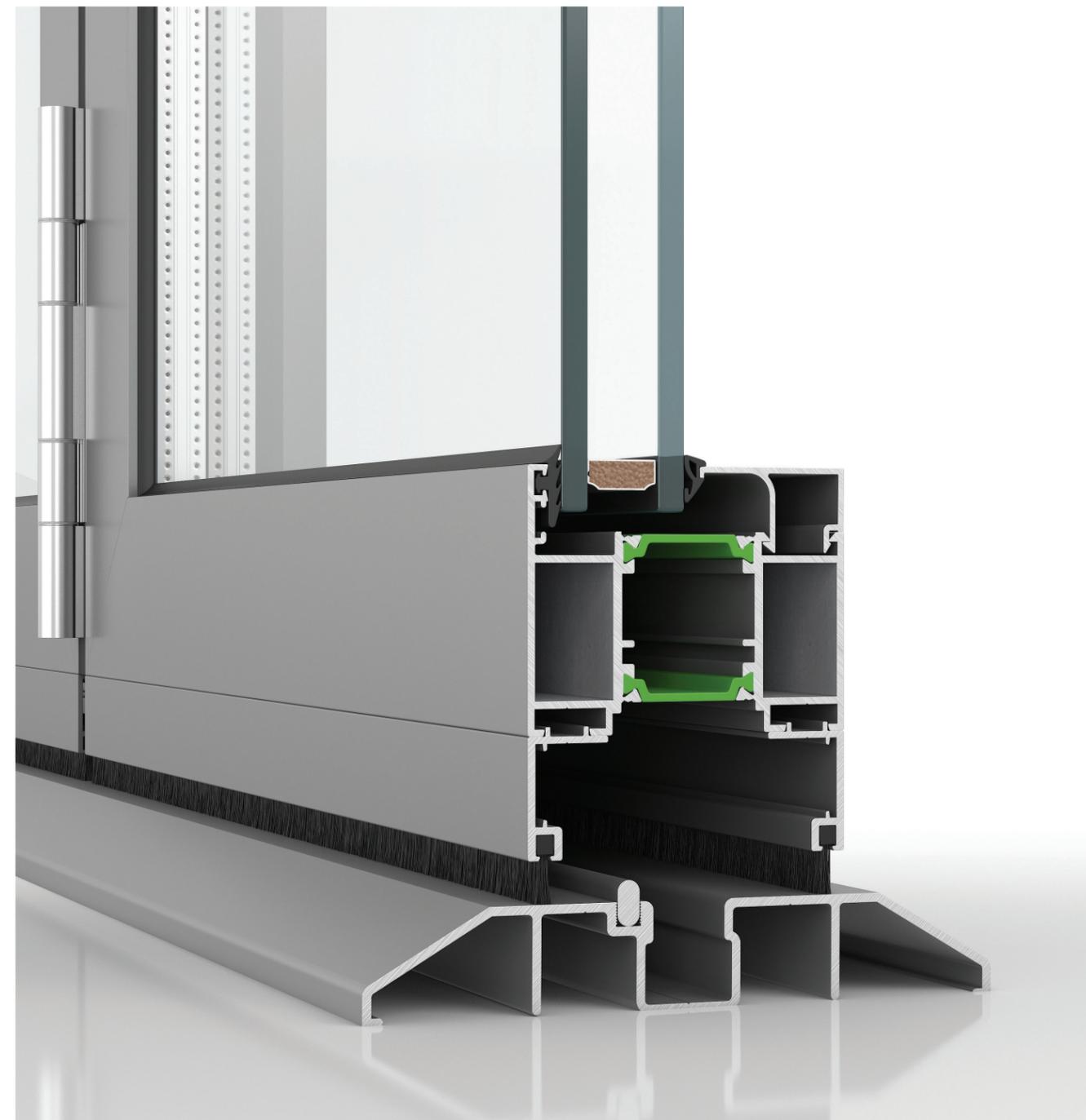
The greatest advantage of corner opening without any column ensures maximum transparency. Suitable for large openings, every conceivable configuration achievable up to 14 leaves (7 left - 7 right) with maximum height 3 m and width of 1.20 m for each leaf.

OUTSTANDING BOTTOM-SLIDE OPERATION AND LONG-TERM FUNCTIONALITY



Ultra-smooth single hand operation due to specially designed rollers carrying maximum weight of 120 Kg per leaf.

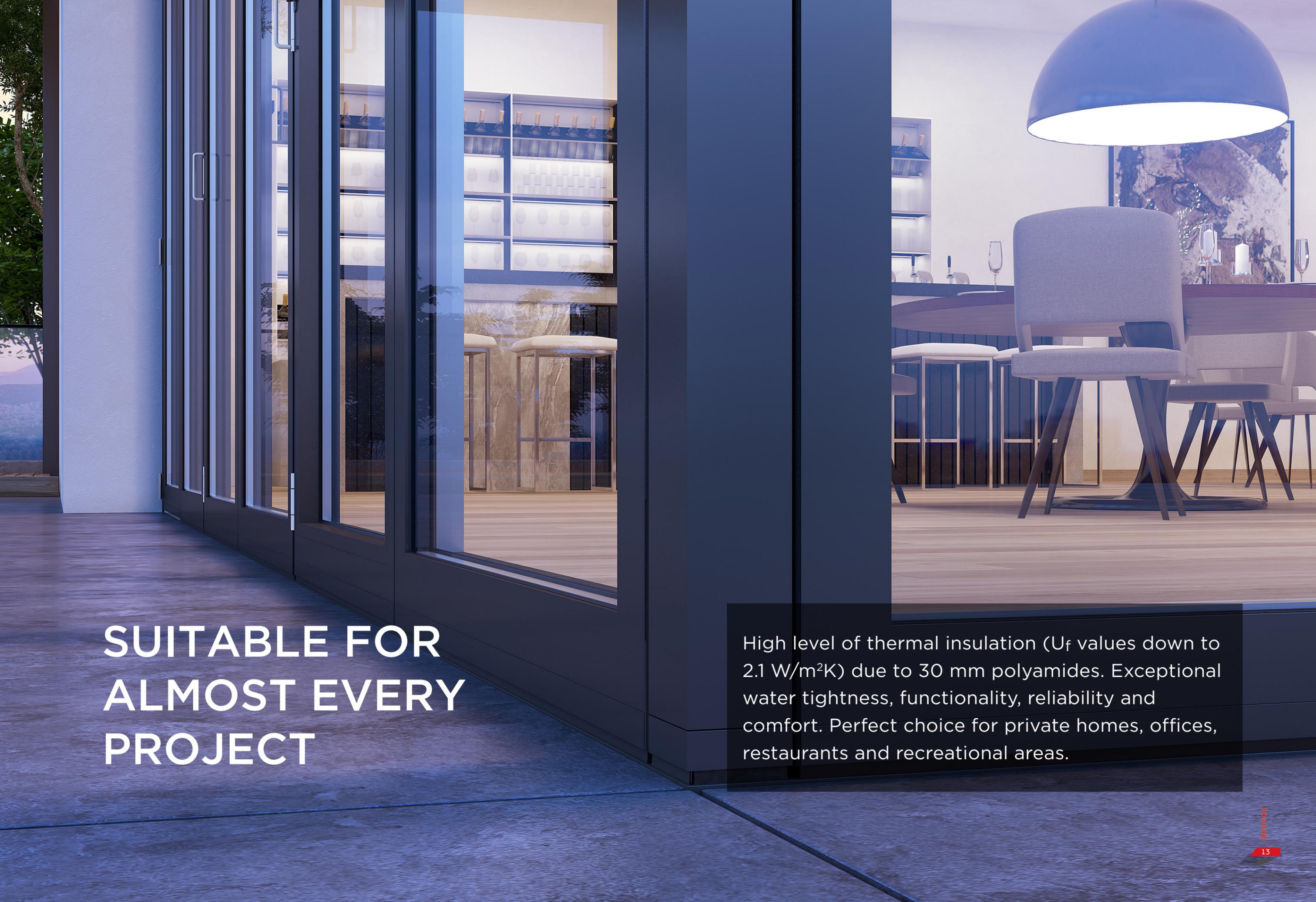
EASY ACCESS FOR PEOPLE WITH DISABILITIES



The low threshold option offers a rise of only 24 mm (ramp) giving easy access and allowing maximum convenience for high-traffic areas.

UNIQUE CAPABILITIES

- > This high performance system offers enhanced features, as well as a minimal design, high insulation and functionality with hardware that have specifically been designed for folding systems.
- > Special hinge with integrated built-in handle for easy locking
- > Able to open inward or outward door with locking system.
- > Possibility of even number of openings (2, 4 etc.).
- > In and outward opening using the same profiles.



SUITABLE FOR ALMOST EVERY PROJECT

High level of thermal insulation (U_f values down to $2.1 \text{ W/m}^2\text{K}$) due to 30 mm polyamides. Exceptional water tightness, functionality, reliability and comfort. Perfect choice for private homes, offices, restaurants and recreational areas.

THRESHOLD SOLUTIONS

FD4600 is available in multiple threshold options in order to perfectly match all comfort and aesthetic requirements.



1 HIGH PERFORMANCE THRESHOLD

2 LOW THRESHOLD

3 EASY ACCESS THRESHOLD

TECHNICAL CHARACTERISTICS

INSULATION

POLYAMIDES mm	20-30
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SYSTEM PROFILE DIMENSIONS

MIN. RAIL WIDTH mm	73
VENT-VENT WIDTH mm	124
MIN. FRAME HEIGHT mm	24
MIN. FACE HEIGHT mm	127.1
GLASS THICKNESS mm	27-57

CONSTRUCTION DIMENSIONS

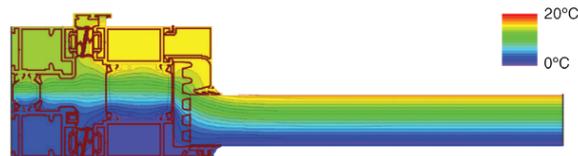
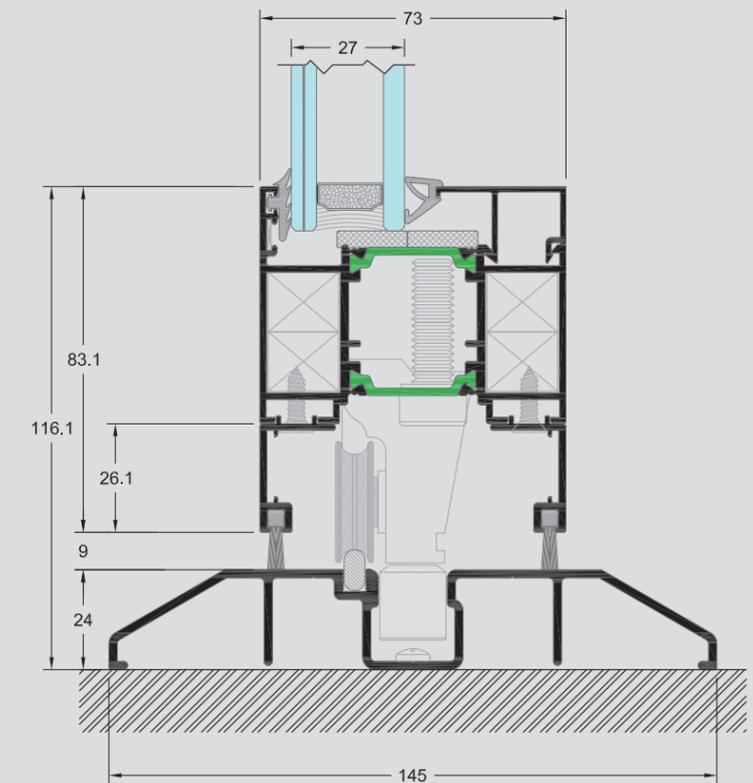
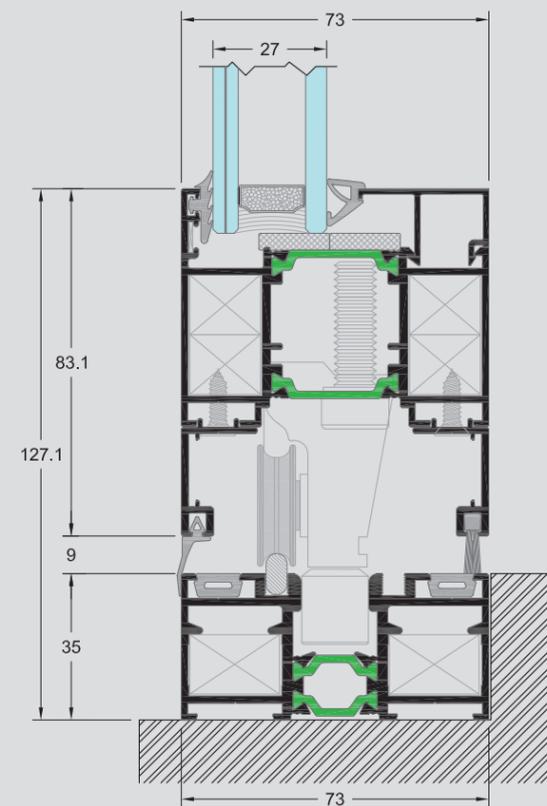
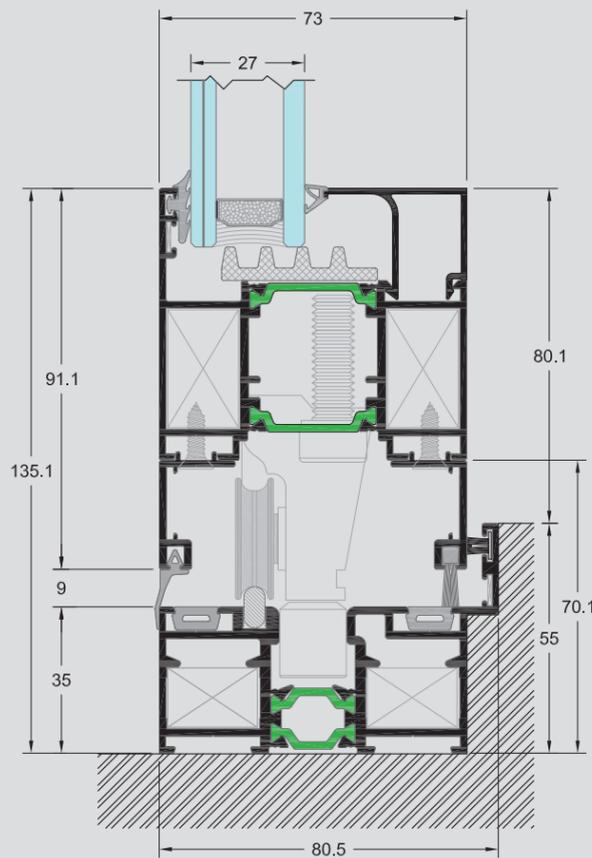
SASH WIDTH mm	450-1200
SASH HEIGHT mm	600-3000
MAX. SASH DIMENSIONS mm (WxH)	1200x3000
MAX. SASH WEIGHT Kg	120

CERTIFICATES/PERFORMANCES

AIR PERMEABILITY EN 12207	Class 3
WATER TIGHTNESS EN 12208	Class 2A
RESISTANCE TO WIND LOAD EN 12210	Class C3/B4
THERMAL INSULATION U_f ISO 10077-2	2.1-3.1 W/m^2K

CONFIGURATIONS

1Leaf, 2Leaf, 3Leaf... 7Leaf
Angular structure: 1Leaf, 2Leaf, 3Leaf... 7Leaf



Rate of Insulation

$U_w=1.83 W/m^2K$

Thermal conductivity coefficient has been calculated for the construction: 3500x2500 with $U_g=1.1 W/m^2K$
Glass type: 3+3/16 (ARGON) / 6

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