



FD4600

Folding Thermal Insulating Door System
High comfort & maximal transparency.



System Identity

FD4600 is a top class insulating system for folding doors, offering extremely high performance and impressive, out of competition, properties. The desire to create living spaces filled with daylight was never so feasible.

This high performance system offers this advantage, as well as a minimal design, high insulation and functionality with hardware that have specifically been designed for folding systems. Suitable for many different typologies, having the greatest advantage of corner opening without any column. This unique feature ensures maximum transparency and easy opening, whilst another practical feature is that one leaf can act as an opening door without interrupting the other folding leaves.

FD4600 is available in multiple threshold options in order to perfectly match all comfort and aesthetic requirements. The low threshold option offers a rise of only 24 mm (ramp) giving easy access to people with special needs and allowing maximum convenience for high-traffic areas.

Specially designed rolling hinges, sliding smoothly on the bottom rail, ensure quietly and easily operation of the system.

Features & Benefits

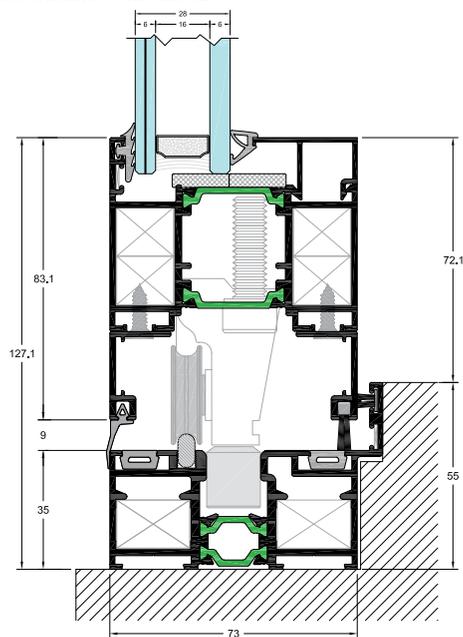
- High level of thermal insulation (U_f values down to 2.1 W/m²K) due to 30 mm polyamides.
- Exceptional water tightness, functionality, reliability and comfort.
- Suitable for large openings, every conceivable configuration achievable up to 14 leaves (7 left - 7 right) with maximum height 3 m and width of 1.20 m for each leaf.
- Ultra-smooth bottom running by using specially designed rolling hinges carrying maximum weight of 120 Kg per leaf.
- Possibility of open corners without any post.
- Able to open inward or outward door with locking system.
- Possibility of even number of openings (2, 4 etc.).
- Multiple threshold options.
- Special hinge with integrated built-in handle for easy locking.
- In and outward opening using the same profiles.
- Perfect choice for private homes, offices, restaurants and recreational areas.

Configurations

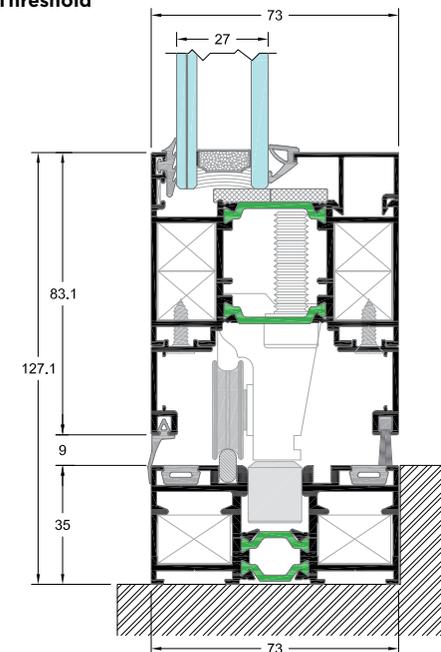
1Leaf, 2Leaf, 3Leaf... 7Leaf

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

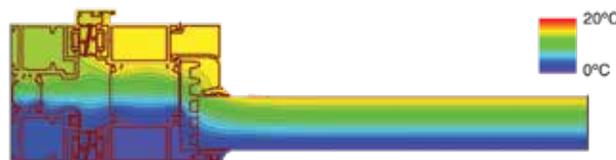
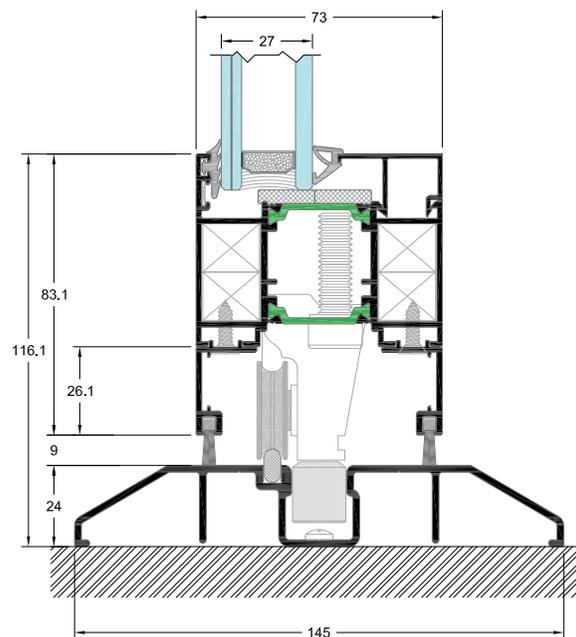
High Performance Threshold



Low Threshold



Easy Access Threshold



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 EN ISO 10077-2	2.1-3.1 W/m ² K

Rate of Insulation

$U_w=1.83$ W/m²K

Thermal conductivity coefficient has been calculated for the construction: 3500x2500 with $U_g=1.1$ W/m²K
Glass type: 3+3/16 (ARGON) / 6

