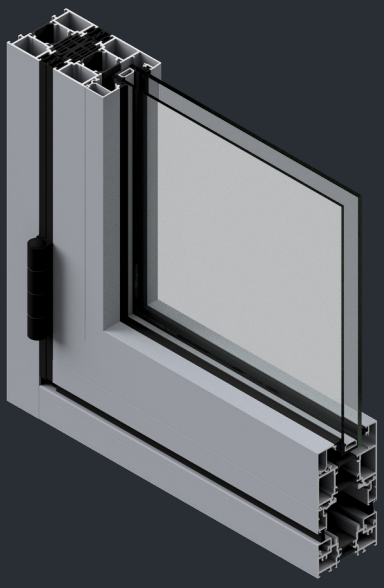


DOORS
AMBIAL

↗ THE VERSATILE FOLDING DOOR

AMBIAL is a folding door system ideal for large openings, designed to suit all architectural wishes, whether a new-build or renovation.

AESTHETICS AND MODULARITY

- 75 mm frame width.
- 2 vent heights available:
  - 63 mm in standard version.
  - 73 mm in reinforced version for large dimensions.
- Glazing thickness from 9 to 59 mm.
- 3-point locking system with insulated key.
- Treshold:
  - Standard double brush.
  - Flush mounted treshold for accessibility.
  - Treshold with rebate for improved performance.
- Wide choice of configurations: from 1 up to 10 leaf, straight line version or open corner version, inwards or outwards opening from the center or one of the sides.
- Mullion, cover profiles and specific accessories are designed to create a 90° angled inwards or outwards opening with floating mullion.
- Completely flush appearance in closed position straight lines and visual harmony in closed position.
- Concealed drainage in all applications.
- Blocking magnets to protect the door from any shocks when in the open position.
- Ultra-flat handle and key design.
- Pull handle mounted on hinges or on support for easy closure.
- EXCLUSIVE® colour palette.

PERFORMANCES (according to EN standards)

Thermal performance: U_W = 0.95 W/m²K with Ug=0.5 W/m²K, Sw= 0.37 and TLw = 0.53 5-leaf, double glazing of 1.0 W/m²K , insulating crossbar (WxH) 6000x3000 mm
Air permeability: up to Class 4
Water tightness: up to Class 8A
Wind pressure resistance: up to Class C3
Burglary resistance: RC2 - PAS24
Operation force: class 1 (less than 100 N)
Mechanical strenght: Class 3
Acoustic performance: Rw up to 42 dB

LARGE DIMENSIONS

- Maximum dimensions: W 1200 x H 3000 mm per leaf, i.a. a maximum width of 12 m.
- Maximum glass load per leaf up to 150 kg.
- Glazing thickness from 9 to 59 mm.9

INSTALLATION AND ASSEMBLY

- Profiles, accessories and reversible symmetrical joints.
- Simple adjustment on site (vertical and lateral)
  - Vertical +3 mm / -1 mm.
  - Lateral +5 mm / -5 mm.
- Glazing with identical dimensions.
- Black accessories and hardware for stock optimization
- Simplified and intuitive installation.
- Transoms, door handles and accessories common to the SOLEAL range.
- Limited number of tools required for manufacturing
- templates for easy installation of accessories.

SUSTAINABLE CIRCULAR DOOR

- AMBIAL is made in Hydro CIRCAL®, aluminium made with a minimum of 75% recycled end-of-life aluminium. This aluminium has one of the lowest CO_2 footprints worldwide: 1.9 kg of CO_2/kg aluminium.
- PVC-free components.
- Cradle to Cradle® certificate (bronze level).
- Dynamic EPD available on TechDesign.
- 75% recycled and 95% recyclable.
- CO2 footprint: 62.05 kg CO_2 eq. / m²
  - double glazing, 3-leaf
  - dimensions (LxH) 3600 mm x 2500 mm
  - surface: 9 m²
  - transparent area: 6.79 m²

TECHNAL®

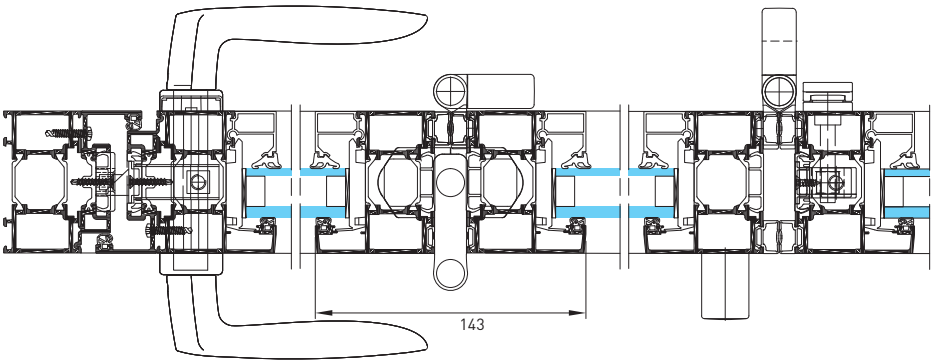
By Hydro

APPLICATIONS

From 1 to 10 leaves, inward or outward opening with identical confiiguration.

1 leaf	2 leafs	3 leafs	4 leafs	5 leafs	6 leafs	8 leafs	10 leafs
101-i 110-i 101-e 110-e	211-i 211-e	303-i 330-i 303-e 330-e	413-i 431-i 413-e 431-e	505-i 550-i 505-e 550-e	615-i 651-i 633-i 615-e 651-e 633-e	835-i 853-i 835-e 853-e	1055-i 1055-e

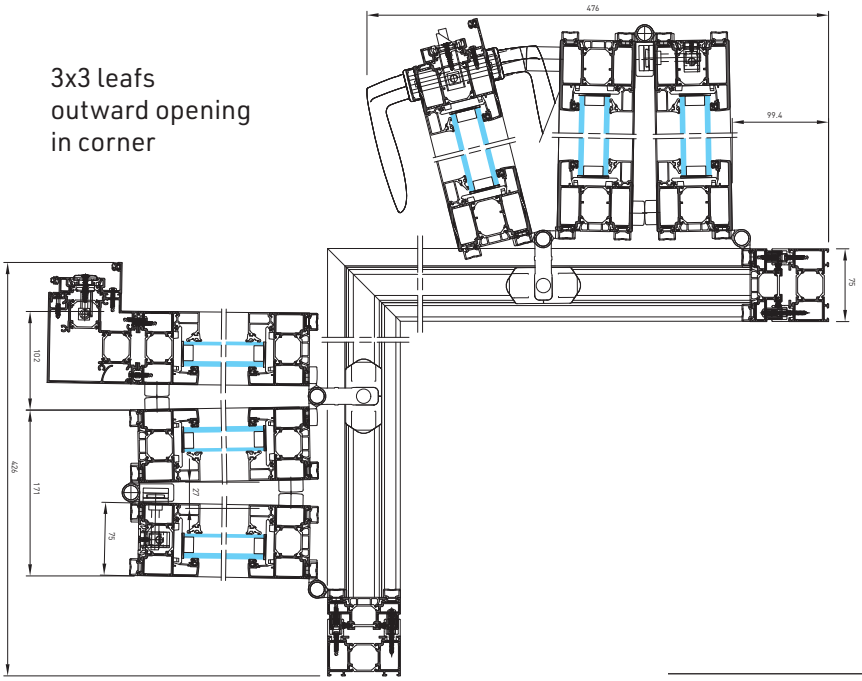
3 leafs
outward opening



From 2 to 10 leaves in corner solution, inward or outward opening with identical configuration.

1 leaf in corner	1x3 leafs in corner	3x3 leafs in corner	1x5 leafs in corner	3x5 leafs in corner	5x5 leafs in corner
AS-211-i AS-211-e	AS-413-i AS-431-i AS-413-e AS-431-e	AS-633-i AS-633-e	AS-615-i AS-651-i AS-615-e AS-651-e	AS-835-i AS-853-i AS-835-e AS-853-e	AS-1055-i AS-1055-e

3x3 leafs
outward opening
in corner



* Article codes

AS	outer corner
1st digit	total n° of leaves
2nd digit	N° of leaves on the left
3rd digit	N° of leaves on the right
opening	i = inward / e = outward

Local entity
Address
Country
Tel. +XX XXXX XX XX XX
www.technal.com

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