ALUPROF
ALUMINIUM SYSTEMS

LET'S BUILD A BETTER FUTURE

FRONT ENTRY DOORS / **AG** series

Comfort is just a step away

Front entry doors, aren't they one of the most important parts of our home? They protect us from the cold, from the rain or the burglars, to mention just these examples. Doors also keeps us away from street noise. But how do you make the right choice, and buy a door that will meet our expectations and serve us for years? An issue that requires careful consideration
before the purchase is the heat transfer coefficient (U). The lower its value, the more heat will stay with us inside. Aluprof offers panelled doors with the U_D coefficient of 0.44 W/(m²K).

When choosing our door, let's not forget to check out their water resistance. It's the water resistance of the door that will keep the driving rain outside in times of strong winds and heavy rain. Water resistance of the front entry door is rated from 3A to 9A. The higher the class, the better the door protects our home. Aluprof offers panelled doors rated 7A.

Infill panels are included in door leaves based on the MB-79N, MB-86 & MB-104 Passive system, and come in a variety of colours and structures. The elements can be milled, decorated with inlays or made of insulated glass. Panelled doors can be fabricated very large and high – up to 1.40 m (W) and almost 2.60 m (H). If, therefore, we dream of an impressive front entrance, this will be the perfect choice. But above all, the door should fit to the style of your home. If our interiors are the traditional ones, we should opt for a leaf with glass panels or wooden-like veneer. Lovers of modern interior can choose among RAL colours, think shade of graphite.

Let's take some time and choose a door with which we will create a beautiful entrance that will enchant our guests and will make us feel like we were in a safe haven.

MB-104 Passive

U_D from 0.44 W/m²K

Aluprof's panel door uses thermally insulated aluminium profile system – MB-104 Passive is the most technologically advanced door system offered by Aluprof. The leaf profile can be combined with special infills, aligned with the surface of the frame. The system is dedicated to passive and energy-efficient buildings.

Technical details:

Frame depth	95 mm
Leaf depth	95 mm
Infill panel thickness	44 - 95 mm
Maximum dimensions of the leaf	L up to 1400 mm, H up to 2600 mm

Technical parameters:

Air permeability	Class 3, EN 12207
Water tightness	Class E1200 (1200 Pa), EN 12208
Wind load resistance	Class C4/B4, EN 12210
Thermal insulation	U_D from 0.44 W/m²K
Burglary-resistance	RC2

MB-86

U_D from 0.63 W/m²K

Aluprof's panel doors use thermally insulated aluminium profile system – MB-86 – which, just like the MB-104 Passive system, is dedicated to energy-efficient and passive building. The leaf profile can be combined with special infills, aligned with the surface of the frame.

Technical details:

Frame depth	77 mm
Leaf depth	77 mm
Infill panel thickness	44 - 77 mm
Maximum dimensions of the leaf	L up to 1400 mm, H up to 2600 mm

Technical parameters:

Air permeability	Class 3, EN 12207
Water tightness	Class E900 (900 Pa), EN 12208
Wind load resistance	Class C5/B5, EN 12210
Thermal insulation	U_D from 0.63 W/m²K
Burglary-resistance	RC2

Elegant decorative panels, available in may different patterns and RAL colours and wood effect finishes

Joint membrane

Expansion profiles

They come in four versions: ST, SI, SI+ and AERO for a very good thermal performance

XPS extruded polystyrene with enhanced thermal insulation

Rigid and durable aluminium profiles permit the fabrication of largedimensioned doors

Specially designed weather strips provide high water tightness and low air permeability, bringing both a comfort and a potential for cost savings

// EXCELLENT THERMAL INSULATION

MB-79N

U_D from 0.7 W/m²K

The structure of panel doors is based on the popular thermally broken aluminium sections MB-79N ST, MB-79N SI and MB-79N SI+. System the leaf profile is designed for coupling with special infill panels that can be installed flush with the door frame plane.

Technical details:

Frame depth	70 mm
Leaf depth	70 mm
Infill panel thickness	44 -70 mm
Maximum dimensions of the leaf	L up to 1400 mm, H up to 2600 mm

Technical parameters:

Air permeability	Class 3, EN 12207
Water tightness	Class E900 (900 Pa), EN 12208
Wind load resistance	Class C5/B5, EN 12210
Thermal insulation	U_D from 0.7 W/m²K
Burglary-resistance	RC2

Elegant decorative panels, available in may different patterns and RAL colours and wood effect finishes

Joint membrane

Expansion profiles

Three design variants: MB-79N ST, MB-79N SI and MB-79N SI+, for a very good thermal performance

XPS extruded polystyrene with enhanced thermal insulation

Specially designed weather strips provide high water tightness and low air permeability, bringing both a comfort and a potential for cost savings

MB-86N PIVOT DOOR – Front entry door with an off-centre rotation axis

U_D from 0.85 W/m²K

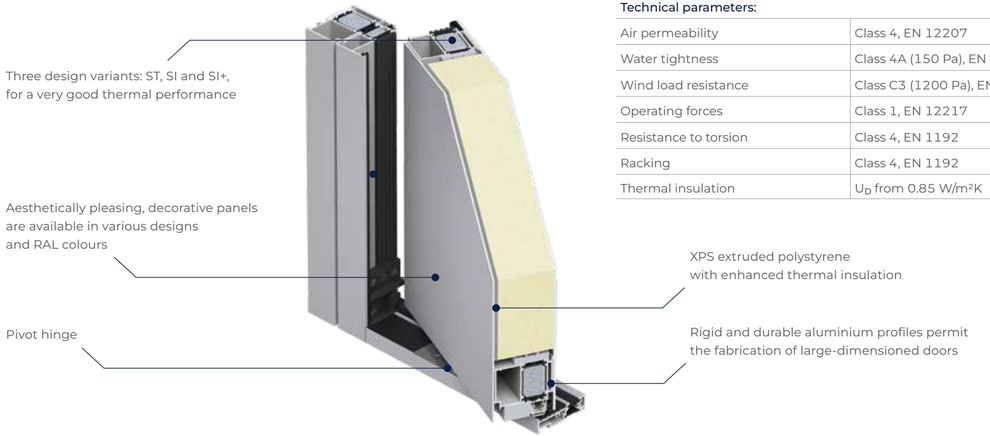
Apart from the basic single-swing version,
the front entry door can also be made with an off-centre rotation axis
using the MB-86N PIVOT DOOR system.

Technical details:

Frame depth	77 mm
Leaf depth	77 mm
Infill panel thickness	77 mm
Maximum dimensions of the leaf	L up to 1400 mm, H up to 2600 mm
Maximum leaf weight	500 kg

Technical parameters:

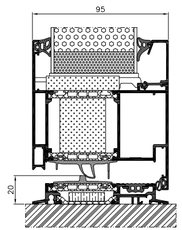
Air permeability	Class 4, EN 12207
Water tightness	Class 4A (150 Pa), EN 12208
Wind load resistance	Class C3 (1200 Pa), EN 12210
Operating forces	Class 1, EN 12217
Resistance to torsion	Class 4, EN 1192
Racking	Class 4, EN 1192
Thermal insulation	U_D from 0.85 W/m²K



BASIC

Insert panels

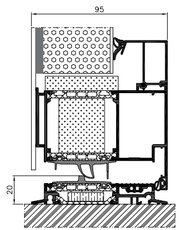
- Triple glazing units, U_g coefficient of U_g 0.5 W/m²K or of 0.7 W/m²K
- 44 and 52 mm thick panels
- Thermal transmittance for MB-79N doors U_D from 1.0 W/m²K, for MB-86 doors U_D from 0.8 W/m²K, and for MB-104 doors U_D from 0.63 W/m²K
- Product variants: ST, HI, SI, SI+ and Aero



CLASSIC

Aligned on one side

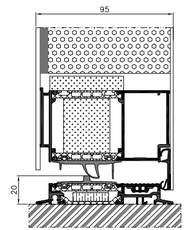
- Triple and quadruple glazing units, U_g coefficient of U_g 0.5 W/m²K or of 0.7 W/m²K
- 44 and 65 mm thick panels
- Thermal transmittance for MB-79N doors U_D from 0.9 W/m²K, for MB-86 doors U_D from 0.64 W/m²K, and for MB-104 doors U_D from 0.48 W/m²K
- Product variants: ST, HI, SI, SI+ and Aero



EXCLUSIVE

Aligned on both sides

- Quadruple glazing units, U_g coefficient of U_g 0.5 W/m²K or of 0.7 W/m²K
- 77 mm (MB-86) and 95 mm (MB-104 Passive)
- Thermal transmittance for MB-79N doors U_D from 0.7 W/m²K, for MB-86 doors U_D from 0.63 W/m²K, and for MB-104 doors U_D from 0.44 W/m²K
- Product variants: ST, HI, SI, SI+ and Aero



All available models can be inserted into the profiles or glued on one or both sides.

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AG01B
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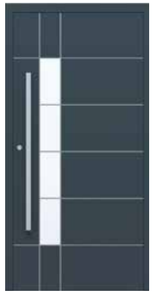

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AG01

- AQ 10 1600 door pull handle made of high-grade steel
- Glazing (front): VSG 33.1
- Glazing (center): sandblasted glass
- Inlay: flush inox inlay
- Colour: RAL 7016

AG01B

- AS 10 1400 door pull handle made of high-grade steel
- Glazing (front): VSG 33.1
- Glazing (center): sandblasted glass
- Inlay: milled
- Colour: RAL 9007

AG02

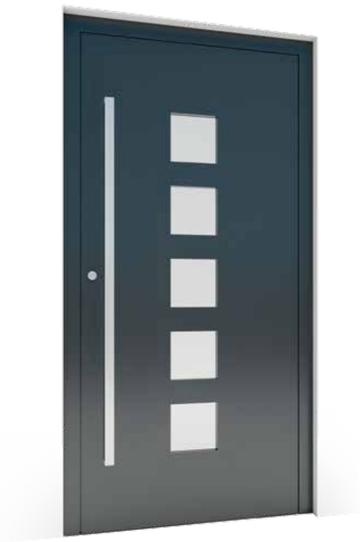
- AQ 10 1200 door pull handle made of high-grade steel
- Glazing (front): VSG 33.1
- Glazing (center): sandblasted glass with transparent strips
- Inlay: flush inox inlay
- Colour: RAL 7016

AG02B

- AS 10 1200 door pull handle made of high-grade steel
- Glazing (front): VSG 33.1
- Glazing (center): sandblasted glass with transparent strips
- Inlay: milled
- Colour: RAL 9007

AG03

- AQ 10 1600 door pull handle made of high-grade steel
- Glazing (front): VSG 33.1
- Glazing (center): sandblasted glass
- Inlay: flush inox inlay
- Colour: RAL 7016



AG03B

- AQ 10 1600 door pull handle made of high-grade steel
- Glazing (front): VSG 33.1
- Glazing (center): sandblasted glass
- Inlay: milled
- Colour: RAL DB703

AG04

- AQ 10 1200 door pull handle made of high-grade steel
- Glazing (front): VSG 33.1
- Glazing (center): sandblasted glass with transparent strips
- Inlay: flush inox inlay
- Colour: RAL 7016

AG04B

- AS 10 1200 door pull handle made of high-grade steel
- Glazing (front): VSG 33.1
- Glazing (center): sandblasted glass with transparent strips
- Inlay: milled
- Colour: RAL 9007

AG05

- AQ 10 1600 door pull handle made of high-grade steel
- Inlay: flush inox inlay
- Colour: RAL 7016

AG05B

- AW 10 door pull handle made of high-grade steel
- Inlay: milled
- Colour: RAL 9007

AG06

- AS 10 800 door pull handle made of highgrade steel
- Glazing (front): VSG 33.1
- Glazing (center): sandblasted glass with transparent strips
- Colour: RAL 7001

AG07

- Door pull handle, high-grade steel: AQ 10 1000, RAL 9005
- Inlay: milled
- Colour: ADEC W645 Winchester

COMFORT IS JUST A STEP AWAY

AG08

- AQ 10 1600 door pull handle made of high-grade steel
- Inlay: flush inox inlay
- Colour: RAL 3004

AG08B

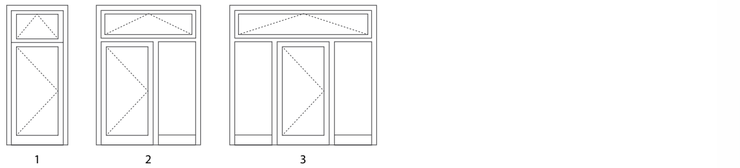
- AS 10D 1600 door pull handle made of high-grade steel
- Inlay: milled
- Colour: RAL 9007

AG09

- AQ 10 1600 door pull handle made of high-grade steel
- Colour: RAL 9006

AG10

- 1600 flush pull handle in RAL colour of your choice
- Colour: RAL 7016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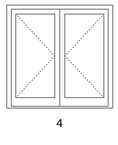
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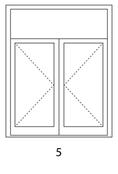
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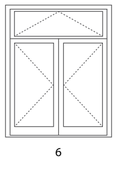
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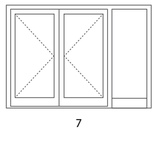
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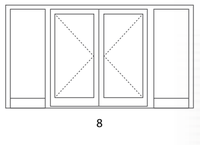
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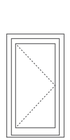
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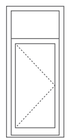
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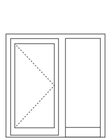
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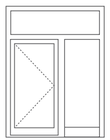
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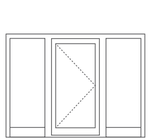
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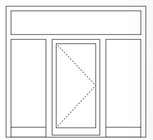
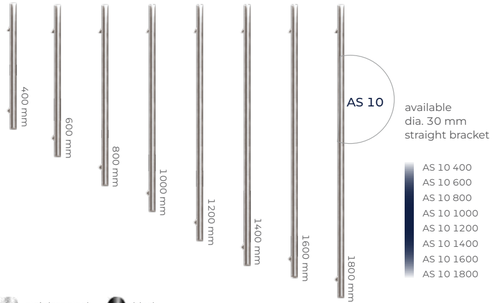

14

// Pulls*

stainless steel black



available
dia. 30 mm
straight bracket

AS 10 400
AS 10 600
AS 10 800
AS 10 1000
AS 10 1200
AS 10 1400
AS 10 1600
AS 10 1800

stainless steel black

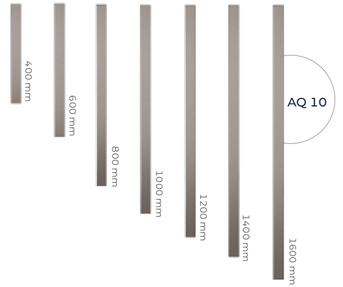
available
dia. 30 mm
angle brace 45°

AS 45 400
AS 45 580
AS 45 800
AS 45 1000
AS 45 1200
AS 45 1400
AS 45 1600
AS 45 1800

* Mounting kit included - see the price list for details.

// Pulls*

stainless steel black

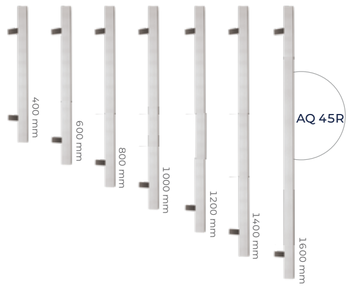


available
40 × 20, 40 × 40 mm
straight bracket

AQ 1020 400
AQ 1020 600
AQ 1020 800
AQ 1020 1000
AQ 1020 1200
AQ 1020 1400
AQ 1020 1600

AQ 1040 400
AQ 1040 600
AQ 1040 800
AQ 1040 1000
AQ 1040 1200
AQ 1040 1400
AQ 1040 1600

stainless steel black

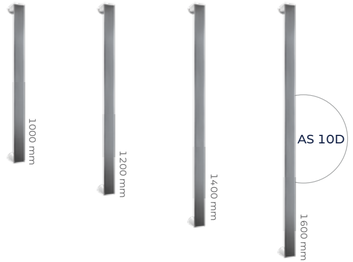


available
40 × 20, 40 × 40 mm
angle brace 45°

AQ 4520R 400
AQ 4520R 600
AQ 4520R 800
AQ 4520R 1000
AQ 4520R 1200
AQ 4520R 1400
AQ 4520R 1600

AQ 4540R 400
AQ 4540R 600
AQ 4540R 800
AQ 4540R 1000
AQ 4540R 1200
AQ 4540R 1400
AQ 4540R 1600

// Pulls*



stainless steel

semi-circular
45 × 25 mm
straight bracket

AS 10D 1000
AS 10D 1200
AS 10D 1400
AS 10D 1600

available
dia. 40 mm
straight bracket

AD 134 1200
AD 134 1600

// Flush pull handles

stainless steel black

AW 23

AW 23L
Flush with door panel

AW 21

AW 21L
Flush with door panel

AW 22

AW 22L
Flush with door panel

AW 72
250 × 150 mm

AW 10
400 × 115 mm

AW 72L
250 × 150 mm
Flush with door panel

AW 10L
400 × 115 mm
Flush with door panel

The above-shown flush handles are available in standard sizes for panel doors. For custom sizes, please contact your supplier.

AW 22, AW 22L, AW 23 and AW 23L
Can only fit the following panels:

AG01
AG03
AG06
AG07
AG09

AW 72 and AW 72L
Can only fit the following panels:

AG01
AG03
AG05
AG06
AG07
AG08
AG09

AW 21 and AW 21L
Can only fit the following panels:

AG01
AG03
AG06
AG07
AG09

AW 10 and AV 10L
Can only fit the following panels:

AG05
AG07
AG08
AG09

// Lever pull

ALUPROF STYLE
1924216X: stainless steel, natural anode and inox, white, anthracite, black

ALUPROF STYLE
1924218X: stainless steel, natural anode and inox, white, anthracite, black

1924231X: stainless steel, natural anode and inox, white, anthracite, black

ALUPROF LINE
1924220: stainless steel, natural anode and inox, white, anthracite, black

ALUPROF LINE
1924229X: stainless steel, natural anode and inox, white, anthracite, black

1924231X
stainless steel, natural anode and inox, white, anthracite, black

ALUPROF CLASSIC
1924111X: RAL

1924113X
RAL

FAPIM
8001289X: natural anode, RAL

1924113X
RAL

SOBINCO HORIZON
8000997X: natural anode, anode inox, RAL

SOBINCO EDGE
8H00124X: natural anode, anode inox, RAL

// Rosettes

stainless steel
black

AGR 10

// Scratch protection

AB 01
W 50 × H 100 mm

AB 02
W 50 × H 100 mm

AB 03
W 50 × H 100 mm

AB 04
W 100 × H 50 mm

// Kickplates

Flush or glued kickplate AK 130
130 mm high

Flush or glued kickplate AK 60
60 mm high

// Ornaments


Master-Point


Satinata


Master-Ligne


Master-Carre

Aluprof offers a wide range of glass with motif, glass made of transparent or ornamental glass in its most popular models.

All door models come in variants with sidelight and toplight.

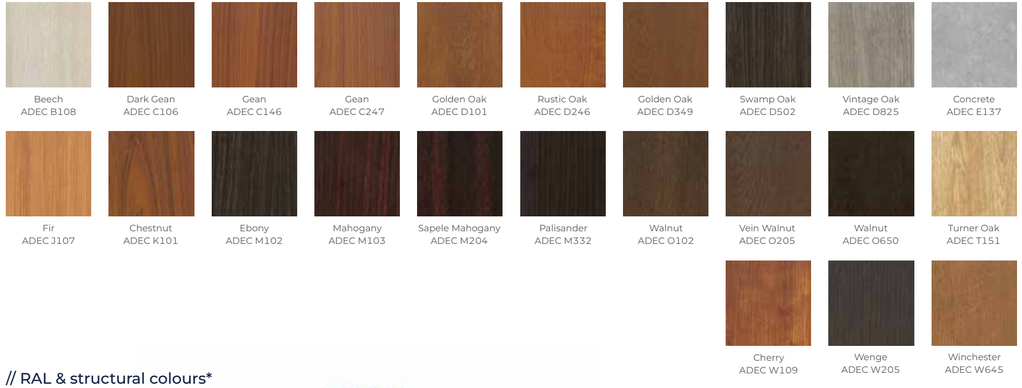
Variant 1: Sandblasted glass (motif)
Variant 2: Transparent glass
Variant 3: Ornamental glass
Variant 4: Safety glass

Sidelights and fixed lights include triple glazing units with warm glass spacers.
Sidelights (fixed glazing) can be placed either on one or on both sides of the door assembly.
Maximum sidelight width: 1400 mm

Ornaments (optional):
“Master-Point”
“Satinata”
“Master-Ligne”
“Master-Carre”

Other ornamental glass available on request.
For details, contact our sales representatives.

// Wood effect / Concrete effect



// RAL & structural colours*

* All RAL colours and structural colours as per the offer.
The colours may vary slightly from the finished product.