

FESTA
SYSTEM

72

ENTRANCE DOOR
SPECIFICATION SHEET

SYSTEM OVERVIEW

Centre panel U value

0.3
W/M²K

Overall U_d value for single doors without glass inserts up to 2.5m high is **0.72W/m²K**.

Door with or without glass inserts with sidelights and top lights **0.84W/m²K**.



Drip bar as option for higher weather tightness



01

Aluminium outer frame

88,5mm extruded outer frame with mechanically jointed mitred corner joints, mullions and transoms.

Single framed doors have a 66.5mm sightline, doors with sidelights and top lights have a 74.5mm sightline.

Mullions are 95mm, transoms are 76mm or 95mm.

02

Aluminium insulated panel

88,5mm bonded PU foam filled panel, including 3mm internal and external skin.

03

Thermal breaks

Aluminium extrusions separated with polyamide thermal breaks reinforced with glass fibre and additional PU insulated chamber.

04

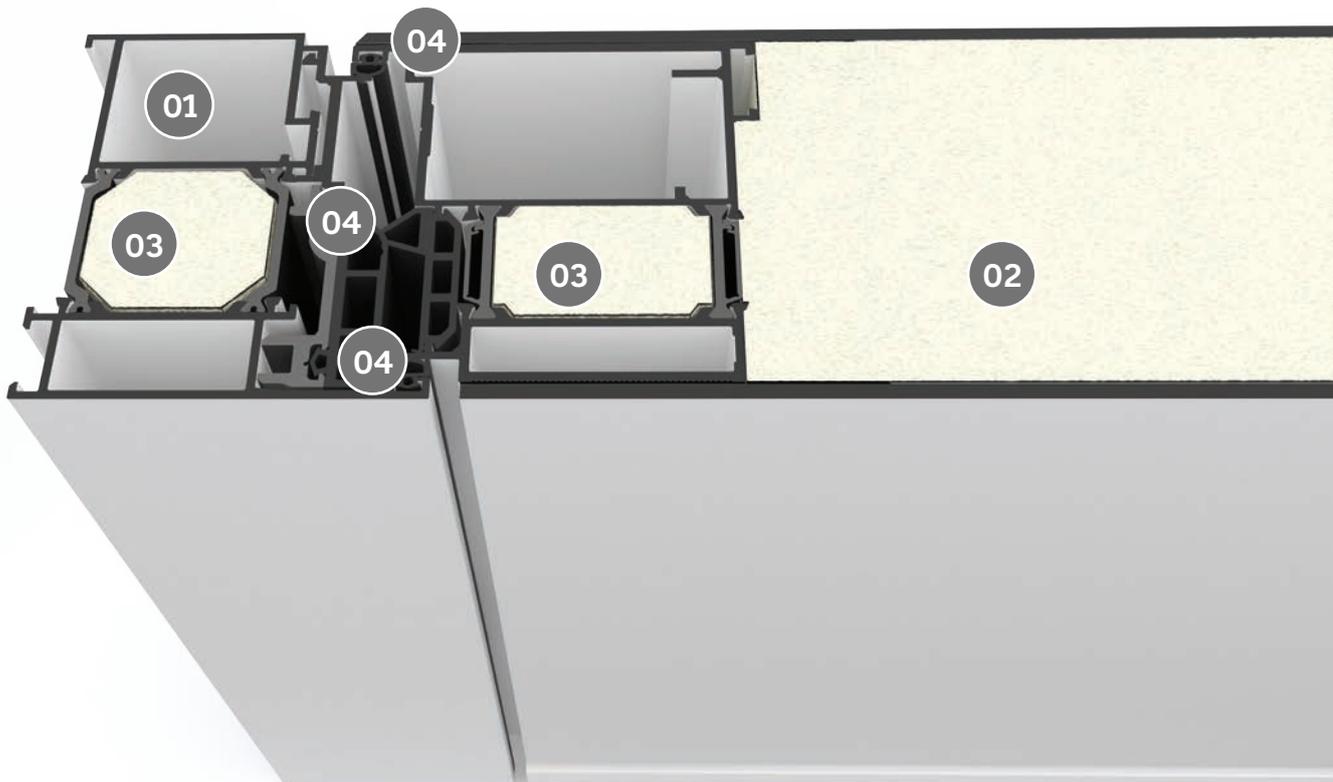
Seals

All doors are fitted with 3 level EDPM seals in black as standard

05

Threshold

Low threshold with thermal break ensures seamless access and weather-tightness.



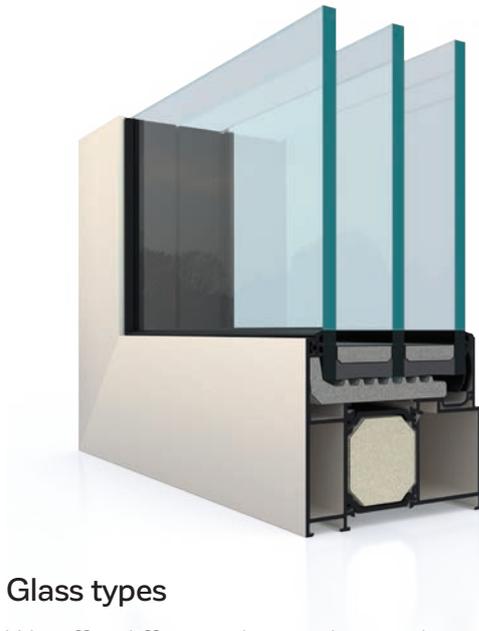
GLASS UNITS

Door glass unit

Triple glazed 8.8mm laminated - 32mm black warm edge spacer - 5mm float - 27mm black warm edge spacer - 6.4mm laminated low-emissivity, argon filled.
Centre pane U- value 0.6 W/m²K

Side glass unit

Triple glazed 6.8 laminated - 24mm black warm edge spacer - 5mm float - 27mm black warm edge spacer - 6.4mm laminated low-emissivity, argon filled.
Centre pane U-value 0.6 W/m²K



U_G value

0.6
W/M²K

Glass types

We offer different glass styles, such as Clear, Parsol Grey, Parsol Bronze, Etched Stripes and Satin.

Other options are available on request.

LOCKING SYSTEM

Festa Door System comes with “Livius” Security Cylinders as standard, Internal Thumb Turn option is available on request. All profile cylinders are Anti-Bump with Pick and Drill protection to prevent forced opening. All doors have been manufactured using this cylinder and keeping the PAS24 Standard.

FL01 KFV AS 2600 multi point locking as standard on all doors.

FL02 KFV AS 3600 automatic locking with day-opener.

FL03 KFV AS 3600 part-motorised automatic locking on all fingerprint and keypad entry systems.



We offer alternative unlocking systems such as Ekey dLine fingerscanner or Ekey digital keypad.

Those systems offer intelligent access system that meets tomorrow's needs today such as keyless entry, convenient remote opening, automatic push notifications, practical virtual assistant and much more.

SECURITY PERFORMANCE



Single leaf, opening inwards doors have been tested to **PAS24:2016** by British Standards Institute. (Test report available on request).

Test size of door: 2800mm wide (1300mm door width and 1500mm sidelight width) by 3000mm high.

WEATHER PERFORMANCE



Our doors are tested by globally recognised test houses to the following standards:

BS 6375:2015 Weather Direct Test with BSI and Evidence of Performance with IFT Rosenheim.

Air permeability CLASS 4
according to EN 12207:1999-11

Watertightness CLASS 5A
according to EN 12208:1999-11

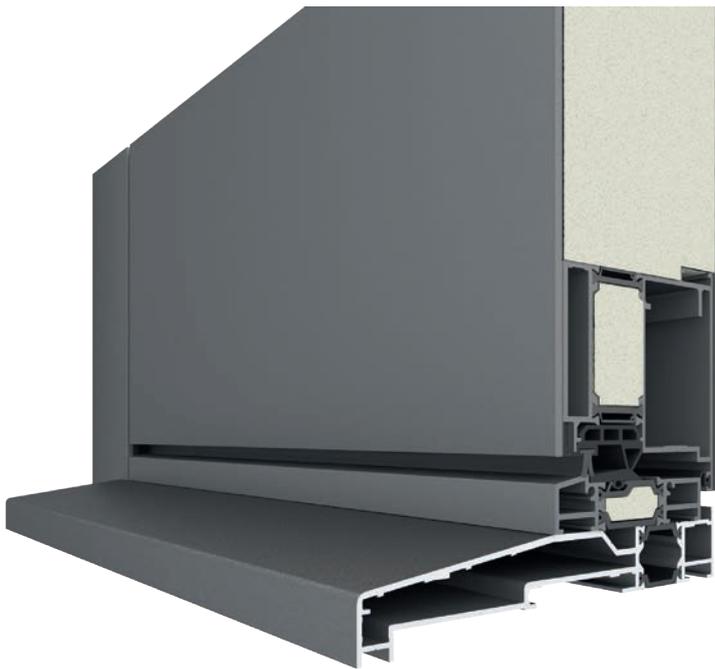
Wind resistance CLASS C4/B4
according to EN 12210:1999-11

Airbourne sound insulation
EN ISO 717-1 44 dB



EXTERNAL PROJECTING CILLS

Aluminium cills are colour matched to customer's specification.
22mm high at 98mm, 160mm, 200mm, or 240mm with cill end caps included.



TRICKLE VENTILATION

Trickle ventilation can be included in the head section of the door with the enhancement of various add-on profiles color coded to the customer's requirements.

Available in black, grey, and white fixed through a minimum 40mm matched colour frame extension to the head.



Hinges

Hinges available anodised or colour matched, with anodised concealed hinges available on request.
Tested to a minimum 200,000 cycles* each hinge should easily give 15 years' of service.
(based on 37 cycles per day)

* 1 cycle is opening and closing the door once.



Levers and handrails

Stainless steel handrails available in multiple designs and lengths.

Stainless steel lever handles available in four designs.

Handrails can be powder coated colour matched by request.
Marine Grade Stainless steel available upon request.

DOOR CONFIGURATIONS



single door



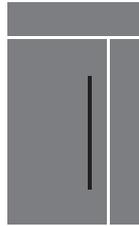
single door
with sidelight



single door
with two
sidelights



single door
with toplight



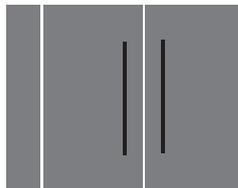
single door
with toplight
and sidelight



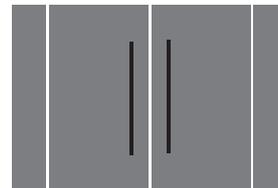
single door
with toplight
and two
sidelights



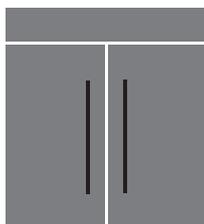
double door



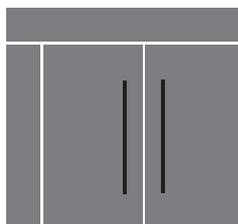
double door
with sidelight



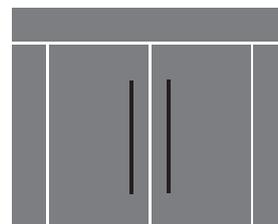
double door
with two sidelights



double door
with toplight



double door
with toplight
and sidelight

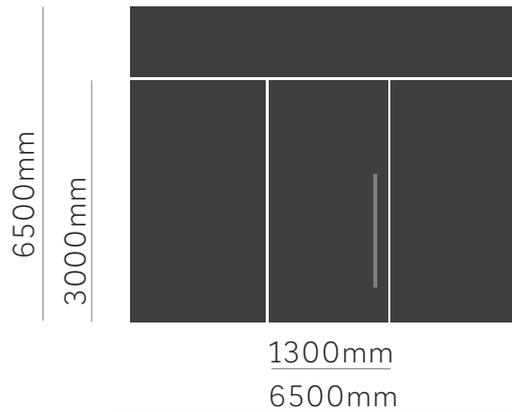


double door
with toplight
and two
sidelights

DIMENSIONS

Maximum door leaf is **1300mm x 3000mm** without extensions or cills.

Maximum overall frame size is **6500mm by 6500mm**, subject to configuration and site conditions (we may reserve the right to provide sidelights and top lights as separate frames with coupling sections).



FINISHING MATERIALS

Aluminium colours

Polyester powder coated RAL smooth matte finish, 70 microns minimum for high durability. Satin and gloss finishes are also available.

FCX (Festa Colour teXtured) is a textured/fine structure polyester powder.

Infinity glass is available in black, and grey, green, red, blue, yellow, and white.

Inner finish is the same as the outer as standard. It can be changed if requested and will require technical checking.

Marine grade powder coating for coastal areas available upon request.

Stone veneer

Certain models available with real stone veneer, applicable to exterior.

Decor finishes

Décor panels are 2mm thermosetting polymer with an acrylic PUR-RESIN outer skin for weather protection.

Panels can be provided with either a plain colour or printed using natural fiber materials (65%). Our standard offering includes both wood and stone effect as shown in the latest Festa System Entrance Door brochure.

Other options are available by request on longer timescales.

Infinity Pure glass finish

Please contact us to discuss your requirements.

MAINTENANCE

Please refer to the Festa System Installation and Maintenance Guide, which is available on request.



WARRANTY

For more details please refer to the Festa System Warranty guide, which is available on request.



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