

ALU

INTERNAL DOORS FOR
HEALTH CARE AND
ACCOMODATION FACILITIES



ALU

— TECHNICAL
SWING DOORS FOR
INTERNAL LOCATION —

ALU FRAME

DOOR WITH FRAMED WINGS



ALU SPECIAL VERSION - PASSAGES WITHOUT OBSTACLES



PONZI ALU FRAME is realized wing with a contoured on the four sides by an aluminium frame; the honeycomb panel has a thickness of 40 mm, composed of two medioidensity plates of thickness 4 mm and high density polystyrene. It is covered with plastic laminated of HPL 0,9 mm thickness Class 1. Several finishings and colors are available by choice of costumer. The perimetral frame (intrados) is realized with aluminium extruded profiles with round corners and it is composed by two assemblable elements, whose internal part serves as counterframe covering. The extruded profile are shaped for the housing of the panel jamb seal and for to insertion of the profile, in order to have a good heating and acoustic sealing. The standard version is provided with two joints, an aluminium handle and a lock type Yale.

SUPERFICIAL FINISHINGS AND TREATMENTS

The perimetral intradoses and the frames are realized with finishings in silver anodized electrocolor ARS1, painted RAL or polished similar to Stainless Steel. The door panel can be in colored laminate, wood-look or Stainless Steel.



PLASTIC LAMINATE - Color series



PLASTIC LAMINATE - Wood-look



STAINLESS STEEL brush finishing



The PONZI ALU SPECIAL door is able to respond in an efficient way to the requests of healthcare and hospital range. It represents an innovative system for the crossing of stretchers, hospital beds and bulky health material, because the special profiles allow a total opening passage. It can be manufactured in one or two swing opening wings.

— | SEALING WITH PERIMETRAL FRAME AND SEALS | —

ALU GLASS

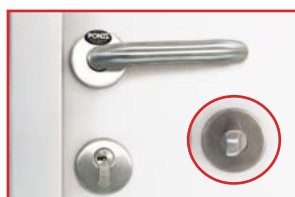
DOOR WITH GLASS WINGS



The PONZI ALU GLASS is a frame door contoured by alluminium frame, with fulling panel made of laminated safety glass, which is proposed in various finishings: transparent, acid-etched, sandblasted or polished on the back. The choice of the glass panel is in line with the most modern architectural tendencies of design and requestes of natural light. A glass door separates spaces in a good way and at the same time decorates, with a filtered light which enriches the locations with a simple atmosphere with a refined taste. PONZI ALU GLASS door can be available also in a version with the lower part paneled, which can be assimilated to the ALU FRAME door for aesthetic and functional reasons. The intrados is the same one of the ALU FRAME door, which is suggested in the standard silver version and, upon request, can be painted with the most modern technologies and finishings.

HANDLES, ANTIPANIC HANDLES AND LOCKS

The handle with door rose and tumblers-covering standard is made of stainless steel; in the optional version it can be made of colored resin. The lock is Patent or Yale model, with free/busy device or electric. The antipanic handle can be as lever or push-bar, and it has different closing points.



PONZI antihooking handle



Resin antibacterial handle



Antipanic handle

ALU SLIDING VERSION - MANUAL SLIDING



ALU sliding door version permit to save space of the swing door opening. They can be sliding outside the wall with the opening through it, or disappearing inside the wall, through to a specific counterframe. A metallic box makes the door slide and disappear, inside it, solving any problem about space.

ALU PANEL

DOORS FOR INTERIORS AND FURNITURE



PONZI ALU PANEL hinged door for interiors can be realized with one or two wings, with perimetral frames and jamb in the intrados with telescopic section, in aluminium or satin/colored stainless steel extruded profiles. The wing of the door is provided with a panel of 40 mm of thickness, made of honeycomb contoured by solid wood, with squared plate jamb. The covering of plastic laminate is 0,9 mm of thickness white colors by choice from sample case smooth type in plastic laminate, good for the use in health areas and resistant to the cleaning disinfectants or made of stainless steel with brushed finishing or painted RAL depending on the choice of work management. This type of door is requested in the health care or hospital structures and in public bathrooms, gyms, offices and places where it is necessary to respect hygienic standards.

ACCESSORIES FOR GRILLS VIEWS

PONZI ALU door can be provided with various options as window of various sizes and shapes, double glass with Venetian blind for the total obscuring and airing grill made of aluminium or PVC.



Standard view with frame



View with obscuring blind



Grill - airing plates

RX SCREEN VERSION - RADIOLOGIC ROOMS



The version PANEL anti-RX of wing is realized with honeycomb panel of 45 mm of thickness, with an inserted lead sheet of 1 or 2 mm of thick, basing on different necessities of shield, and covered with plastic laminate, 0,9 mm high Class 1. The intrados is resistant to the X-rays, thanks to the insertion of shields in primary lead plates.

— | ENTIRELY paneled WITH INTRADOS | —

AUTOMATION SYSTEMS

AVAILABLE OPTION FOR ANY MANUAL TYPE

Manual doors, for an easier system management in places with people, wares, carriers crossing, can be automatized by inserting a sliding or hinged automatism. The door automation is realized by adding sliding ways, carriers and the relative sliding automation of PONZI AS series. It is also possible to make the automatic door hinged, by replacing the spring to close the door, with PONZI SDO automation, which realizes big passages and make people and health materials easy crossing.

LINEAR SLIDING DOOR: AST3

The PONZI AS3 automation has the most modern technologies for the moving of automatic doors. It has compact dimensions to be inserted in any architectural range. The electronics is of latest generation, responding to the latest standards (EN 16005), with a maximum up to 150 kg for each wing. It uses efficient and innovative components with a projected moving to cancel the vibrations and optimize the noise reduction.

SLIDING DOORS: AST4 · MAX · DUO · TSA

PONZI produces many types of sliding automations for doors, which satisfy the most various customer exigences. Basing on weight, opening hole, traffic type, it is possible to select among different typologies of automations, with high technical performances and with a strong personalization. The AS4 automation is adapt for internal filters with load up to 70 kg each wing, the MAX and the DUO for important weights and TSA for telescopic solutions.



HINGED AUTOMATION SDO

The wing of hinged door PONZI ALU can be moved with a PONZI SDO automation which realizes also very large openings. SDO device checks each movement of the door in the whole path, regulating speed and final position. The microprocessor reliefs the anomalies; in case of resistance during closing, the door opens again automatically. If there is no electric current, it behaves as a normal door-closing.

VERTICAL AUTOMATION BRIO

The vertical automation PONZI BRIO is mounted in the door mullion and can be installed on sliding or disappearing doors, already existent, and provided with paneled or glass wings. It is contained inside a standard aluminium extruded profile, only 50 mm high and 65 mm large, which can be sized during assembly. With PONZI BRIO, mechanical installation and electric connection are easy; it is accessible, simple, intuitive and silent.



— | AN EXTENDED RANGE OF AUTOMATIONS FOR DOORS | —

OUT DOORS

“CUSTOM MADE” SOLUTIONS



ALU with fixed window of ambulatories



Hinged and sliding ALU door with automatic option



ALU patient's rooms



Double hinged ALU with push bar for emergency exit

TECHNOLOGY

SPECIFICATION

Doors for interiors type PONZI ALU are realized with one or two hinged wings and manufactured with of aluminium ENAW 6060 basing on UNI 9006/1 law, 50 mm rounded series, and accessories included in PONZI ALU system.

The door is provided with:

fixed frame with minimum total depth of 89,5 mm, coupled with perimetral intrados-jamb on the three sides, made of rounded aluminium extruded profiles which can be assembled telescopically, suitable to embrace the entire wall jamb for a 100/150 mm thickness and more with specific extensions.

Wing frame for openings of 180° more than the passage way:

ALU FRAME version – door wing, contoured on four sides by aluminium frame with 45/50 mm rounded corners; panel with internal core in auto-extinguishing polystyrene with high density Class 1 non-toxic, double covering of plastic laminate, 0,9 mm of thickness, supported by 4 mm plate in Mdf (covering of panel in the two sides with aluminium and/or stainless steel plate of various finishings).

ALU PANEL version – door wing realized with 40 mm auto-supporting coplanar panel, covering of 0,9 mm plastic laminate, contoured in the four sides with finishings of visible wood and/or painted PVC element or plastic laminate.

ALU GLASS version – door wing, contoured on the four sides by aluminium frame with 45/50 mm rounded corners, transparent stratified glass 44.2 (alternatively satin glass, double glazing, colored glass).

ALU X-RAY version – door wing realized with 40 mm auto-supporting coplanar panel, covering of 0,9 mm plastic laminate, contoured in the four sides with finishings of visible wood and/or painted PVC element, wing and intrados resistant to X-Rays with inserted shields in primary lead plates with 1 and/or 2 mm of thickness.

Extruded profiles will be painted with polyester dusts, lied down through electrophoresis on chromed surfaces and made polymerized in oven at temperature 180° C; the coloration will be executed in colors and tonalities indicated by work management Available accessories: the door will be provided with joints of aluminium system with auto-oiled steel pivot; lock Yale type; double handle with round or oval roses made of aluminium or stainless steel:

- Double seals of door jamb in elastomer EPDM.
- Surface finishings of aluminium parts will be obtained with anodizing treatment in classic silver color class 15 micron basing on UNI4522 – 3952 – EWAA law.



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