DOMAL STOPPER PG

TECHNICAL DESCRIPTION OF THE WINDOWS SYSTEM

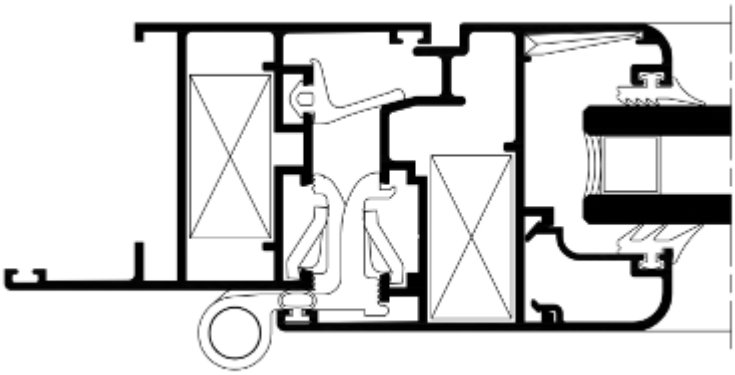
Extruded aluminum profiles:	Alloy EN AW 6060
Supplying state:	TA 5
Dimensions and thickness tolerance:	EN 12020/2
Air permeability and water tightness:	Windows: double gasket or central gasket Doors: double gasket

Glazing installation through glazing bead:
Installation: spring installation for rectangular glazing beads, and/or with plastic clips for rounded glazing beads.

BASIC DIMENSIONS:

Windows: **fixed frame**: depth 45/52 mm.
sash frame: depth 45 mm. for double gasket solution, depth 52 mm. for central gasket solution

Doors: **fixed frame**: depth 45 mm.
Door frame: depth 45 mm.



Wall overlapping of the fixed frame: from 17.5 mm. to 70 mm.
Space for the installation of the glazing or the panel: from 10 mm. to 45 mm. according to the glazing bead.
Space between profiles for the fittings installation (for windows): according to the European Chamber

USE

Windows profiles:

They allow for the construction of casement windows with one, two or more sashes: both the central gasket or the double gasket solutions are possible. The system also provides for the construction of fixed windows, outward opening windows, wasistas, tilt & turn, pivot windows and top-hinged open out windows. Windows with double gasket solution have double overlapping (internal and external), while the central gasket solution shows a flat surface outside and overlapping inside. In the double overlapping solution, the profile used for the fixed frame may be used also as sash profile (Z). Profiles allowing for the construction of 1 or 2 sashes windows with flat surface both outside and inside are also available

Doors profiles:

They allow for the construction of single and double leafed-doors, outward or inward opening, with fixed or openable upper frames, and swing-doors.

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SPECIFICATIONS

WINDOWS

System made of extruded aluminum profiles, alloy EN AW 6060.

The fixed frame shall have a depth of 45/52 mm, while the sash frame shall have a depth of 52 mm. in order to ensure a higher resistance against the wind load.

TESTS:

THE TEST PERFORMED BY ITC – CNR OF MILAN ON A DOUBLE SASH CASEMENT WINDOW, DIMENSIONS MT. 1.45 X 1.49 H. GAVE THE FOLLOWING RESULTS:

air permeability: class 4
water tightness: class E1200
wind load resistance: class C5

CERTIFICATE NO. 3616/RP/03

The hollow chamber containing the corner cleats shall be 18 mm. including the profiles thickness, for both fixed and sash frames. The internal fin overlapping the wall is supplied with housing for the gasket.

The thermal insulation of the profiles is K = 5.4

W/ mq. C° (4.64 Kcal/mq h°C).

The airtight system is obtained through a central EPDM gasket inserted in the fixed frame, with a tightness fin directly leaning on the inclined plane of the sash profiles. Holes for the drainage of water are made on the lower section of the fixed frame. Sealants shall be used to join the central gasket mitre cuts so as to avoid air or water infiltrations. If insulated glazings are used, two holes for ventilation shall be made on the lower sections of the sash frame. The finished window shall have a flat external surface with a 5 mm. distance between the profiles, while inside the sash frames overlapping shall be about 7 mm. Spring glazing beads shall provide housing for the insertion of the glazing gaskets. Fittings and gaskets are original of the system. The following classes are guaranteed by the system (according to UNI EN 1026 – 1027 – 12211)

air permeability: class 4 **water tightness**: class E1200 **wind load resistance**: class C5

These characteristics shall be certified by copies of the tests performed by the window maker or by the profiles producer.

DOORS

System made of extruded aluminum profiles, alloy EN AW 6060. Total depth of the fixed and door frames shall be 45 mm. The hollow chamber shall be 41.3 mm. including the profiles thickness. The internal fin overlapping the wall shall be 32 mm. and shall be supplied with housing for the gasket. The air tight system is obtained through glazing gaskets inserted in the gasket cavity, so as to leave the lateral sides of the profiles flat and clear and allow for an easier installation of the locks or of other mechanical/electrical locking devices (door check). The external and internal surfaces of the finished door shall be flat, with a 5 mm. distance between the profiles. Spring glazing beads shall provide housing for the insertion of the glazing gaskets. Fittings and gaskets are original of the system.