

HYGENIX GLASS DOOR



Glazed fire resistant
steel profile and
doorsets



**STEEL DOORS
FOR THE
REAL WORLD**



FIRE RESISTANT

Up to 120 mins

EN 1634-1 up to EI120



ACOUSTIC REDUCTION

Up to 45dB



BALLISTIC RESISTANT

BS EN 1522

FB3NS to FB7NS



INTRUDER RESISTANT

BS EN 1627

RC2 to RC4 and

PAS 24: 2016



Steel Door Solutions

Scandinavian design.



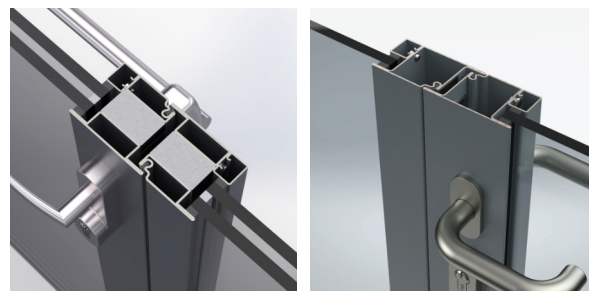
HYGENIX DOOR

Glazed Steel & Aluminium Profile System

HYGENIX GLASS-DOOR is a fire rated fully glazed profile, available insulated and non-insulated for glazed doors, sliding doors, partition walls and window sections. Manufactured in high quality and available made to measure, GLASS-DOOR is ideal for use in offices, shopping centres, airports, hotels, hospitals, schools and similar public buildings. It is also tested to PAS 24:2016 and approved by Secured by Design.*

> KEY FEATURES

- > Fire resistance up to 2 hours – EN 1634-1
- > Tested to PAS 24: 2016
- > Burglary and bullet resistance
- > Door leaf and frame profiles available 30, 50 and 85 mm
- > Narrow 20mm and wide profiles available: 85, 130, 180 or 260 mm
- > Finger trap gasket tested to EN 1634-1



> FIRE RESISTANCE

Up to 2 hours fire resistance

GLAS-DOR steel fire resistant sections have been tested in accordance with **EN 1634-1**. Wall sections offer up to 120 minutes integrity and insulation, doorsets up to 90 minutes integrity and 60 minutes insulation. Double leaf sliding doors can now offer up to 30 minutes integrity and insulation.

Door and wall sections make up the fire cell partitions in, for example, corridors, main passageways and stairwells used as evacuation routes in the event of a fire. The solid fire-resistant insulating core between the steel profiles effectively reduces heat transfer from the side of the door or wall exposed to the fire.

GLAZED WALL SECTIONS

120 MINS FIRE RESISTANCE



GLAZED DOORSETS

90 MINS FIRE RESISTANCE



GLAZED DOUBLE LEAF SLIDING DOORS

30 MINS FIRE RESISTANCE



*Available approved by Secured by Design in certain configurations. Speak to our sales team for more information.

> COMBINED FIRE AND SECURITY RESISTANCE

GLASS-DOOR system is type-approved for fire-resistance in combination with burglary resistance, e.g. EI 60 and PAS 24. Fire resistance is provided in accordance with the applicable type approval certificate. Burglary-resistance classes RC3 and RC4 are in accordance with standard ENV 1627.

The type approval certificates mean that “labelled” sections can be used to comply with specific requirements for fire and burglary resistance with a transparent solution in stairwells, for instance. It is also possible to move exterior protection from an entrance and also comply with these requirements in stairwells, for example, that may separate various activities.

The profile depth can be adjusted to suit specific requirements, e.g. 65, 70 and 90 mm.

In addition to requirements for fire resistance, glass must also comply with requirements for burglary resistance as per EN 356 as well as fittings. Type-approved solutions include, among other things, multipoint locks (MPL).



> SLIDING DOOR SECTION

We have developed and tested a type-approved 30/30 fire resistant glazed sliding door to EN 1634-1. The door is operated using Besam Unislide (including LD 550494). Max section dimensions are 10m x 3m, and the max door leaf dimensions are 1250mm. This provides a max opening of 2210mm for bi-parting sliding doors.

Please note that door leaves in sliding doors must not pass over any vertical element as there is a risk of damages. Sliding doors must not be installed along evacuation routes, and if required, an emergency exit door should be installed at the side.

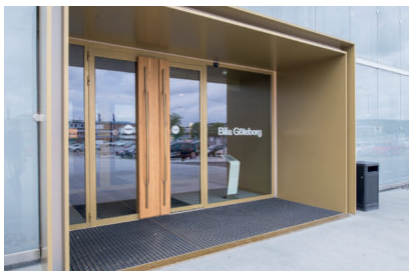


> SIZE AND CONFIGURATIONS

The systems can be adapted to suit requirements and are type approved, with features including finger trap gaskets. The systems have profiles adapted for modular locks (85 mm) as well as narrow (20 mm) and wide (130, 180 and 260 mm) profiles. These tested and approved systems also come in a wide variety of heights and widths. Wall sections up to 3.3m height and with a free edge have been tested as per EN 1634-1 to ensure compliance up to EI 120.

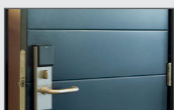
> APPLICATIONS

HYGENIX GLASS-DOOR profile systems are intended for use in glazed door and sliding door sections and wall and window sections in offices, shopping centres, airports, hotels, sports centres, banks, embassies, prisons, schools, and hospitals, etc.



> FINISHES

Standard



Polyester Powder
Coated from Standard
Colour Range

Optional



Polyester Powder
Coated from Non-Standard
Colour Range



Stainless Steel
Brushed, Polished or Patterned



Unfinished for
site finishing



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Individual specifications may vary as Hygenix conduct a policy of continuous product development.



Steel Door Solutions

<https://www.hygenix.ie>