



TITAN
DOOR SYSTEMS

Titan T-Series

Glazed metal doorsets and screens

STAMFORD SQ

CAT 302

Designed and
manufactured
in the UK



Titan T-Series

Glazed metal doorsets and screens

Titan T-Series is an innovative range of glazed tubular steel doorsets and screens based around the Forster Profile System. Utilising the latest technology in door engineering and construction principles, this system permits uniquely narrow sightlines, thus maximizing vision and transparency.

High levels of aesthetic impact are uncompromised by a client's requirements for the highest levels of performance.

T-Series doorsets are available in a wide range of configurations; from single, double and bi-folding leaves (all with a co-ordinated range of hardware), and can be supplied as doorsets only or integrated into screens. Transoms and mullions can also be incorporated as required (either for aesthetic or performance characteristics).



Langham Square, Putney

Construction

The T-SERIES range consists of four different types of section. Which section is used is dependant on the performance requirements of the application. The range of sections available are as follows:

P90 SECTION

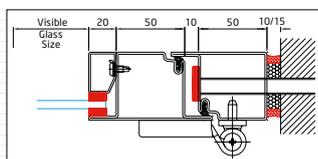
(doors, windows and screens without thermal break)

Based on the Presto profile system, this is the most economical and versatile profile within the T-SERIES range. Intended for use where temperature rise insulation is not a requirement, P90 provides a complete profile system with coordinated fittings and accessories for flush fitting single and double leaved fire and smoke resistant doors and screens. The system can accommodate glass thicknesses between 6mm and 24mm.

As standard, finish is factory applied polyester powder coat, although for more architecturally demanding applications 304 stainless steel is available (in 220-240 grain finish).

Performance characteristics:

- CE Marked to EN 14351-1.
- Fire resistant doors E30 – E120 or EW30 – EW60 (glass dependant).
- Smoke resistance doors RS-1 / RS-2 to DIN 18095.
- Burglar resistance RC1 – 3 to EN 1627-1630.
- Bullet proof doors M3-SA.



UNICO SECTION

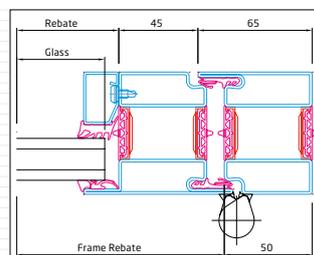
(doors, windows and screens with thermal break)

The Unico thermally insulated profile system is intended for external applications. Unico is a complete profile system, with a range of coordinated fittings and accessories, the system is suitable for single and double leaf door arrangements and screens. The basic profile construction is constructed from 100% recyclable steel and contains no synthetic insulation materials (which contrasts to most other similar systems). This all steel construction satisfies the most demanding physical and structural functions.

As standard, finish is factory applied polyester powder coat, although for more architecturally demanding applications 304 stainless steel is available (in 220-240 grain finish).

Performance characteristics:

- CE Marked to EN 14351-1.
- Thermal insulation to u value of 1.4 W/M2K.
- Burglar resistance RC1 – 3 to EN1627-1630.
- Bullet resistant classification FB4 to EN1522.
- Sound insulation up to 47dB.
- 100% recyclable construction.



F30 SECTION

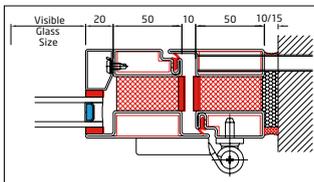
(doors, windows and screens with 30/30 fire rating for integrity and insulation)

Based on the Fuego Light profile system, intended for use where fire integrity and temperature-rise insulation are requirements. F30 is a complete profile system, with a range of coordinated fittings and accessories, the system is suitable for single and double leaf door arrangements and screens. The system satisfies the majority of demanding fire resistance criteria and can accommodate a wide range of performance glasses.

As standard, finish is factory applied polyester powder coat, although for more architecturally demanding applications 304 stainless steel is available (in 220-240 grain finish).

Performance characteristics:

- Fire rated doors and screens to EI30.
- Burglar resistance RC1 – 3 to EN 1627-1630.



F60 SECTION

(doors, windows and screens with 60/60 fire rating for integrity and insulation)

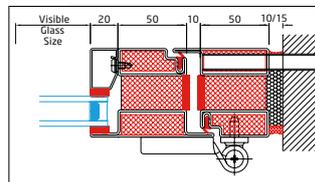
Based on the Fuego Light profile system, intended for use where the highest fire integrity and temperature-rise insulation are requirements. F60 is a complete profile system, with a range of coordinated fittings and accessories, the system is suitable for single and double leaf door arrangements and screens. The system satisfies the most demanding fire resistance criteria and can accommodate a wide range of performance glasses.

As standard, finish is factory applied polyester powder coat, although for more architecturally demanding applications 304 stainless steel is available (in 220-240 grain finish).

Performance characteristics:

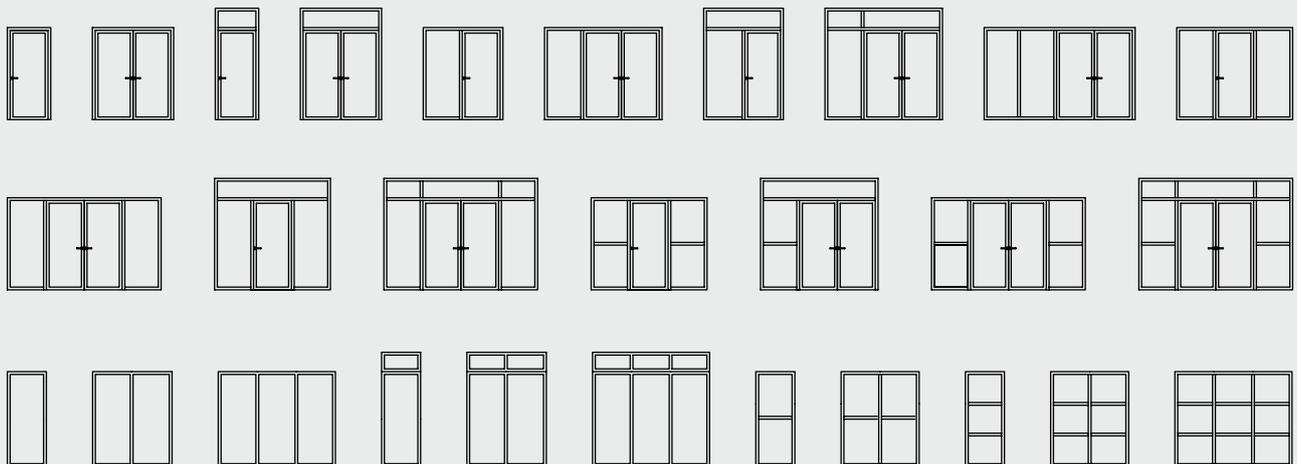
- Fire rated doors and screens to EI60.

NOTE: F60 profile screens (to EI60), can also be coordinated with F30 profile doors (to EI30) where performance requirements allow.



Camden High School for Girls, London

Typical screen and frame arrangements



Fixing

Fixing methodology is typically by means of expanding sleeve anchor bolts or machine screws. A minimum of four fixings are required per jamb. Dependant on the structure, performance and application fixings may also be required to the head. Other options include extended fixing straps, cavity closer angles and chemical anchors.

Weathering

For weathering purposes frames are fitted with perimeter weather stripping (grey or black), bottom sweeps or auto-drop bottom seals. In addition, there is a wide range of aluminium profiles to choose from. These are second fixed once the doorset has been installed.

Configurations

Each of the profile systems detailed can be supplied in a wide range of configurations. Doorsets can be single leaf, leaf and a half, or double leaf arrangements. Glazing configurations available are considerable. These can be single pane fully glazed options through to multi-pane configurations. Fanlights and sidelights are also available. Screens can be supplied with multiple mullions and transoms to suit a projects requirements, or to mirror glazing elsewhere in the building.

Finish

As standard, Titan T-SERIES doorsets and screens are supplied in polyester powder coat finish. Three levels of coating are available dependant upon the application:

PC1 suitable for internal applications.

PC2 suitable for standard external applications (except within 5 miles off the coast).

PC3 suitable for applications within 5 miles of the coast. NOTE: where doorsets are to be in physical contact with sea water further precautions may be required, please liaise with a member of our technical department.

24 colours are available as standard (please see TD331 for details), although for a small setup charge, doors can be supplied in any standard BS4800 or RAL colour.

Stainless steel is also available. This brushed grade 304 is suitable for internal or protected external applications (in 220-240 grain finish).

Special antimicrobial finishes are also available for use in health care and clean room environments. These can be used in conjunction with a coordinated with a range of special coated hardware, please enquire.

Hinges

Where applicable, each leaf is fitted with a minimum of 2no weld-on hinges, or surface mounted adjustable hinges.

For security and fire rated applications, 'Dogbolts' may be required. Floor springs or pivot arrangements are available as well. NOTE: for certain performance applications these may be a requirement.

Glazing options

Because of the performance nature of the product, glazing type chosen is usually determined by the application. Typically glazing thicknesses vary between 6mm and 32mm and can be in single, double, and triple glazed options.

Hardware

A full range of coordinated hardware has been assembled. Items have been selected on the basis of aesthetic appeal, robustness, and cost effectiveness. Items such as lever handles, pull handles, kick plates and closer bodies are in a stainless steel finish as standard. Where stainless steel is not available, the quality of the finish is carefully considered.



Packington Estate, Islington



Packington Estate, Islington



West Warwickshire Sports Club, Solihull

To find out more about how Titan high-performance steel doorsets can help you achieve your project's requirements, please visit our website www.titandoors.co.uk or talk to one of our team on +44 (0)121 352 2359.

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Raising Standards
Safety Assured

