

Promat



PROMACLEAR® 120

Fire Rated Glazing Screens & Doors

PROMACLEAR® 120 fire resisting systems use 5mm thick ceramic glass held in steel frames to provide light and vision whilst still meeting the requirements of Building Regulations for up to 2 hours integrity only fire rating. The glass is available in an attractive tinted colour, opaque or textured.

Packaging

Supplied in sheet sizes of:

- 1 1.22m x 2.438m
- 2 0.914m x 1.829m
- 3 0.914m x 2.428m

It can be cut in the factory or on site with standard glass cutting equipment.

Function

PROMACLEAR® 120 can be used in single or multiple paned screens which include fully glazed single and pairs of doors. Integrity glass is generally only suitable where screens and doors are required between a tenancy and fire exit. Installation in either fire rated board or masonry walls is permitted.

Fire Performance

PROMACLEAR® 120 has been successfully tested to AS 1530.4 1997 which complies with the requirements of BCA.

Advantages

- Fire tested up to 2 hours (for over 2 hours contact Promat)
- Suitable for internal and external applications
- Lightweight and economical
- Narrow steel frame sections
- Single and pairs of fully glazed doors
- Safety glass upgrade
- Readily available, no long lead times
- Unaffected by temperature change
- Thermal shock resistant (will not break if heated to 800°C and doused with cold water)



Installation

Steel frames, of the tested type, are prefabricated and installed prior to finishing trade work. The glazing is installed by specialised subcontractors or glazing subcontractors after all other trades have finished their work.

The installation instructions must be followed accurately and adhered to. All door hardware must be as per the tested prototype or must be approved before use.

For a full set of applications notes contact Promat.

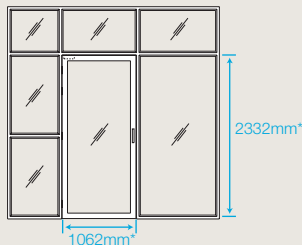
General Technical Information

Weight per M ²	12.5kgs	Thermal conductivity (25°C, Kcal/m.hr.°C)	1.31
Thickness	5mm	Specific gravity	2.5
Mean thermal expansion coef. (10 ⁻⁶ /°C, 30-750°C)	-0.3	Index of refraction (NP)	1.54
Specific heat (25°C, cal/g)	0.17		

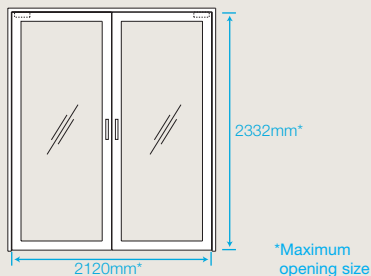
Typical Layout

Screens

Typical Screen with Single Door

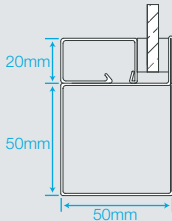


Typical Double Doors

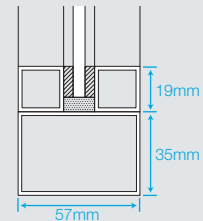


Perimeter Trims

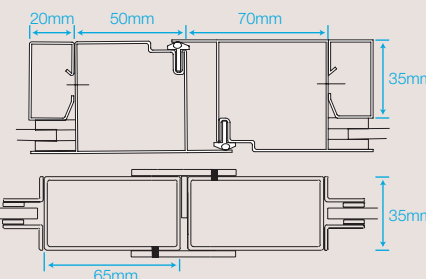
Forster Perimeter



Steel Tube Perimeter Trim



Meeting Stiles



Forster Double Door Meeting Stile

Steel Tube Double Door Meeting Stile

Specification

Fire rated glazing shall be PROMACLEAR® 120 installed in steel frame sections to achieve an FRL -/xx/-.

Installation shall be in accordance with the suppliers printed instructions. All work shall be certified in an approved manner.

Important Notes

Promat product data sheets and health and safety data sheets are regularly reviewed and are available on request. The successful use of this product is dependent on a number of factors. As the information contained in this literature can only be of a general nature, it is advisable to consult our technical department if there is any doubt about the correct use of this product in a particular application. Our technical representatives and advisors are available to provide further technical and commercial assistance.

PROMACLEAR® 120 Fire Rated Glazing is manufactured under a quality management system certified in accordance with ISO 9002.

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Your local Promat supplier