

SASCO CERTIFICATION SCHEDULE

for

SASCO GLAZED DOORS & FIXED SCREENS UTILISING FORSTER PRESTO STEEL PROFILES GLAZED WITH PYRAN S OR CONTRAFLAM DOOR LITE

This Schedule should be read in conjunction with Certificate No. **IFCC 1074/01**. It relates to the performance of doors and screens in accordance with EN 1634-1.

1. The following door and screen configurations are approved:

- Uninsulated systems
- Single-leaf, single-action latched doors
- Double-leaf, single-action latched doors
- Doors incorporated within continuous glazed screen/partitions

2. The following options are approved for the above configurations

- i) Fully glazed using the glass types referred to in Sections 4 & 5 of this Schedule
- ii) Hollow mild steel or stainless steel profiles(uninsulated)
- iii) Installation and use of single mortise dead locks and flush bolts
- iv) Installation and use of door closers with side channels, link arms or integrated type
- v) Three hinges on door leaves, or two hinges plus a mid height safety bolt
- vi) Size variations for both doors and screens with regard to 30, 60 and 120 minute integrity requirements.



Director, IFC Certification



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3. The following steel profiles, edge seals and fittings are approved

3.1 Forster PRESTO Series components (steel uninsulated)

The PRESTO profiles are manufactured from 1.5mm-thick folded mild steel or stainless steel folded into a hollow profile. These have various profiles to suit design and configuration with the glass retained by clip-on beading.

Series Code	Section Type	Comments
32.800	Steel profile – 3-leg mitred perimeter	Door frame
32.801/32.802	Steel profile with seal recess left/right	Single flange
32.803	Steel profile - perimeter frame	Two flanges
32.804	Steel profile with two seal recesses	Two flanges
32.805	Steel profile with seal	Alternate flanges
32.851	Steel profile screen frame plain square	Single flange
32.852	Steel profile screen frame plain square	Two flanges
32.855	Steel profile – door leaf base	3 flanges, 2 at base
901246	Glazing Bead 25 x 30mm steel profile	clip-on
901531	Glazing Bead Centric steel profile	clip-on
	Glazing Bead 20 x 30 x 2mm	Screwed into profile
906577	Push-on studs for glazing bead	Screwed into profile

Table 1: Forster PRESTO mild steel components: Doors & Screens

Series Code	Section Type	Comments
32.800 CrNi	Steel profile with seal recess left/right	Single flange
32.803 CrNi	Steel profile with seal recess	Two flanges
32.805 CrNi	Steel profile with seal recess	Alternate flanges
32.853 CrNi	Steel profile with seal	Alternate flanges
32.851 CrNi	Steel profile screen frame plain square	Single flange
32.852 CrNi	Steel profile screen frame plain square	Two flanges
32.855 CrNi	Steel profile – door leaf base	3 flanges, 2 at base
901526/901527	Glazing Bead 20 x 15/20mm profile	clip-on
901531	Glazing Bead Centric steel profile	clip-on
	Glazing Bead 20 x 30 x 2mm	Screwed into profile
906577	Push-on studs for glazing bead	Screwed into profile

Table 2: Forster PRESTO stainless steel components: Doors & Screens

3.2 Door hardware & fittings

Code	Description	Manufacturer
907611	Hinge 2D-Band	Simons
907644	Weld-on hinge 20mm diam.	Simons
917906	Single-point mortice latch/lock	
907326	Door handle	Forster
TS 62 GB	Door closer	Dorma
TS 5000	Door closer	GEZE
SR 390	Door co-ordinator	Dorma
905307	Door sealing gasket	CR
948004	Glazing gasket 15 x 4mm	Kerafix 2000 (Contraflam Lite)
	Ceramic fibre tape 15 x 4mm	(for use with Pyran S)
Flammi 12	Glazing block 80 x 14 x 5mm	Flammi
Flammi 12	Glazing block 80 x 11 x 5mm	Flammi

Table 3: Forster PRESTO Door hardware & fittings

Figures 01 & 02 show sectional details of stainless steel door and screen systems.

3.4 Screen assembly

The Forster PRESTO glazed screen profiles listed in Table 1 are 1.5mm-thick cold-formed mild-steel or stainless steel hollow sections (without an insulating core) and incorporate 20mm wide flanges. These are welded together at the mitred corners to form the four-sided frames. Three types of glazing beads are proposed as listed in Table 1. Where a stainless steel PRESTO system is used, the screw-fixed RHS type is recommended.

3.5 Door leaf assembly and seal system

The Forster PRESTO steel profiles comprising the door leaf framing are listed in Table 1 and are cold-formed hollow sections (without an insulating core) and incorporate 20mm wide flanges. These flanges either provide one side of the glazing pockets or form the door leaf stop in conjunction with door sealing gaskets in the recessed pockets formed by the folded profile. The door leaf sub-frame profiles are welded together at the mitred corners.

3.6 Installation and supporting construction

The glazed doorsets and screens/partitions may be fastened directly to the floor, structural soffit and a rigid supporting construction, e.g. concrete, blockwork or masonry.

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Door leaves may also be incorporated within a glazed assembly comprising side panels and/or overpanels, or form a glazed doorset within a continuous run of glazed partitioning.

Frame fastenings which are suitable for the construction substrate (e.g. expanding anchor bolts for concrete) should be used, with maximum fixing centres of 450mm.

3.7 Door closers

Closers CE-Marked for use on these types of fire doors including Dorma types [list, eg TS62 etc] are approved.

Double-leaf doorsets must be equipped with a door co-ordinator to ensure correct closing sequence of the active and inactive door leaves.

3.8 Door hinges

Two types of Forster/Simons door hinges, as listed in Table 3, are approved.

4. SCHOTT glass

The following Schott glass system is approved for glazed doors and screens constructed from Forster PRESTO profiles:

4.1 Glass type

SCHOTT PYRAN S: A clear integrity-only toughened modified borosilcate glass, 6mm thick, and suitable for applications up to E120. Pyran S has been tested in Forster PRESTO steel profile system achieving an integrity rating in excess of 120 minutes.

4.2 Glass configurations

Single glazed

4.3 Approved glazing gaskets

The glass perimeter edges are protected and sealed by the glass manufactures recommended ceramic tape glazing media. This is bonded to the sides of the glazing pocket to seal and protect the perimeter of the glass panes.

4.4 Maximum fire resisting glass pane sizes

The maximum approved pane sizes for the glass types referred to above for doors and screens are tabulated in Section 6 of this Schedule.

5. CONTRAFLAM glass

The following CONTRAFLAM glass system is approved for glazed doors and screens constructed from Forster PRESTO profiles:

5.1 Glass type

CONTRAFLAM DOOR LITE: A partially-insulated, clear, fire-resistant safety glass, 11mm thick, and comprising two layers separated by a transparent advanced intumescent interlayer. This glass is suitable for applications requiring 30 or 60 minutes integrity and partial insulation (radiation) i.e. ratings up to EW60.

CONTRAFLAM DOOR LITE has been tested in a FORSTER PRESTO steel profile system achieving an integrity rating in excess of 60 minutes.

5.2 Glass configurations

Single glazed

5.3 Approved glazing gaskets

The glass perimeter edges are protected and sealed by the glass manufactures recommended Kerafix 2000 glazing media. This is bonded to the sides of the glazing pocket to seal and protect the perimeter of the glass panes.

5.4 Maximum fire resisting glass pane sizes

The maximum approved pane sizes for the glass types referred to above for doors and screens are tabulated in Section 6 of this Schedule.

6. Tables of glass pane sizes approved for Forster PRESTO doors and screens

The following tables of glass pane sizes are approved for doors and screens constructed from Forster PRESTO steel profiles:

6.1 The approved range of pane sizes of Pyran S glass is tabulated below:

Configuration /Max. Rating	Maximum Ht (mm)	Assoc. Width (mm)	Max. Width (mm)	Assoc. Ht (mm)
Door leaf/ E120	2270	1370		
			1760	1760
Fixed screens/ E120	2270	1370		
			1760	1760

Table 4: Range of Pyran S glass pane sizes

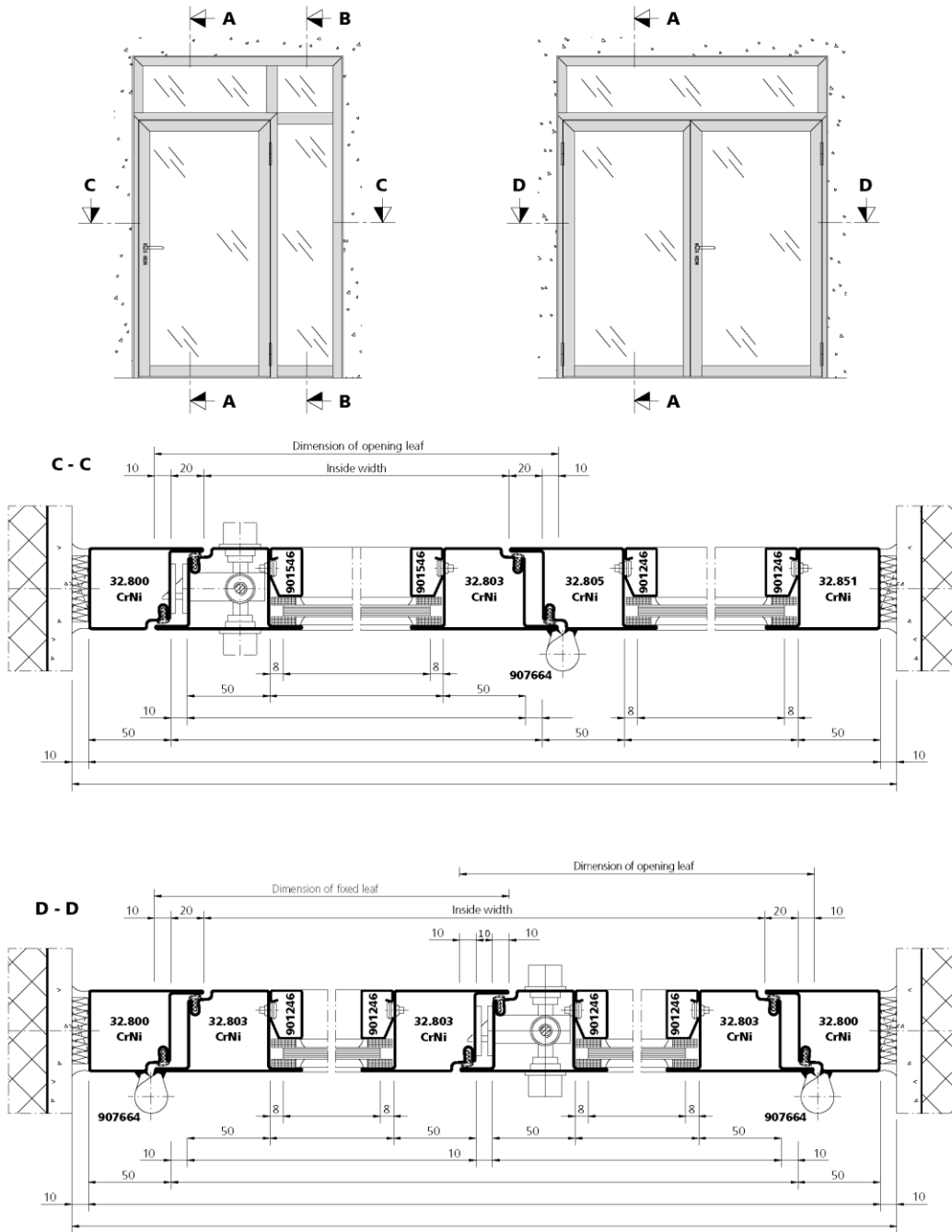
6.2 The approved range of pane sizes of Contraflam DOOR LITE glass is tabulated below:

Configuration /Max. Rating	Maximum Ht (mm)	Assoc. Width (mm)
Door leaf/ E120	2225	970
Fixed screen/ E120	2896*	1142*

Table 5: Range of 11mm-thick Contraflam DOOR LITE glass pane sizes

*Note: These glass sizes are for 14mm Contraflam Lite. For fixed screens glazed with Contraflam Door Lite the maximum and associated dimensions for the door leaf should apply.

Figure 01: Elevations and horizontal sections of typical Forster Presto doorsets using stainless steel profiles



**Figure 02: Horizontal sections of typical Forster Presto doorsets
using stainless steel profiles**

