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GENERAL PRODUCT SPECIFICATIONS

Vitraflex “Classic” Modular Combination Shower and Changeroom Cubicles (c/w Telescopic Stainless Steel Leg Anchors)

(Document Reference CC/GPS/CUBE/03 Rev. 1 April 2010)
(E&OE - Document and content subject to change without prior notice)

Vitraflex Classic is a versatile and flexible modular system, offering maximum space utilization for an unlimited range of layouts and applications:

- Toilet cubicles.
- Shower cubicles.
- **Combination Shower and Changeroom cubicles with benches** (specifications detailed hereunder).
- Changeroom cubicles with benches.
- Urinal screens.
- Privacy (Modesty) screens.
- Special facilities - nursery schools, disabled toilets, Asian toilets.
- Vanities (Type AF and Type PB2010).
- Bathroom Signage Panels.

Please note that the use of *italics* in the text indicates the need for an appropriate selection to be made by the Specifier:

Vitraflex “Classic” Modular Shower and Changeroom Cubicle system consisting of partitions, doors and stiles of waterproof laminated construction with outer skins of vitreous enamel steel sheets bonded to wood particle board, with overall wall thickness not exceeding 20 mm.

Colour of the vitreous enamel steel to be *[colour name and reference]* selected from the Vitraflex Standard Colour Range.

All units to be neatly framed in a *natural anodised (standard) / powder coated (special) [colour name and reference, selected from the Vitrex Powder Coating Colours Schedule]*

(1) aluminium channel beading and to be supplied complete with Vitraflex standard



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ironmongery, comprising of indicator bolts and keeps, coat hooks cum door stops, rubber buffers, top rails and fixing components.

The cubicles are to be set up complete in position, 150 mm above finished floor level, strictly in accordance with the manufacturer's instructions.

All ironmongery is to be secured in position by means of proprietary one-way, anti-theft screws.

All doors to be fitted with *standard aluminium washed butt / rising (door returns to the closed position) / falling (door returns to the open position)* hinges ⁽²⁾.

All stiles and screens to be fitted with Vitraflex telescopic stainless steel leg anchors, in a standard arrangement ⁽³⁾.

Changeroom section of the Combination Cubicles to be fitted with proprietary Vitraflex AF Vitreous Enamelled Steel Bench ⁽⁴⁾, 300 mm deep with integral downstand (Radius = 25 mm, 150 mm high) complete with galvanized mild steel support brackets. The joint between the bench and the cubicle components is to be sealed with an appropriate sealant.

The vitreous enamelled steel surface is to be guaranteed to perform specifically to the functions for which it was intended, and to remain functionally unchanged for a period of ten (10) years, under the terms of the general Vitraflex Guarantee."

(A) Specification Notes:

Refer to the numbered references in the specification text.

- (1)** Please refer to the Vitrex Document Ref. CC/PPC/01 "Vitrex Powder Coating Colours for Aluminium Extrusions" for details of the available colours. We would however not recommend the use of powder coated finishes in high traffic areas or in areas which may be prone to vandalism. Please also note that the standard Vitraflex ironmongery components are not available in a powder coated finish.
- (2)** In general, we would not recommend the use of rising or falling hinges to cubicle doors in areas which may be prone to vandalism, as the doors could be lifted out of position and removed.
- (3)** We recommend the use of our standard arrangement for the telescopic leg anchors on all Vitraflex shower and changeroom cubicles, as the Full and End Stiles are supplied with double telescopic leg anchors for added support.
- (4)** We can also provide a more conventional type bench, consisting of timber (Meranti) slats with a protective coating (varnish).

(B) Technical Notes:

- a. Please note that the original “F” and “C” type brackets shown on our old Vitraflex brochure have been discontinued and have been replaced by a continuous u-channel.
- b. The maximum single piece construction width for partitions is 1600 mm and for special wall stiles is 1200 mm. Where wider components are required this will be achieved by introducing a vertical, aluminium joint.
- c. In general, the optimum combination shower and changeroom cubicle module is 1200 mm centre-to-centre and we design our cubicles with standard sized partitions and stiles, allowing for uniform door openings that suit the actual site dimensions. The shower area and the changing area are split equally, each being 1200 mm wide x 900 mm deep.
- d. The individual cubicle components need to be identified, sized and specified in the BOQ documentation. In general, on the basis of 1200 mm cubicle centres:
 - i. Partitions 1800 mm wide x 1800 mm high complete with vertical joint. Partitions span from a masonry wall to a stile.
Unit of measure = No.
 - ii. Full Stiles 540 mm wide x 1850 mm high complete with two (2) single telescopic stainless steel leg anchors in a standard arrangement.
Unit of measure = No.
 - iii. End Stiles 150 mm / 435 mm (when fitted with bench) wide x 1850 mm high, complete with double / two (2) single telescopic stainless steel leg anchors in a standard arrangement.
Unit of measure = No.
 - iv. Wall Stiles 115 mm / 400 mm (when fitted with bench) wide x 1850 mm high complete with single telescopic stainless steel leg anchor in a standard arrangement.
Unit of measure = No.
 - v. Bench Stiles 400 mm wide x 1850 mm high complete with a single telescopic stainless steel leg anchor in a standard arrangement (at front) and a single telescopic stainless steel leg anchor in a floating arrangement (at intersection with partition).
Unit of measure = No.
 - vi. Doors 740 mm wide x 1800 mm high
Doors are available in varying sizes to suit the actual opening between stiles.
The physical size of the doors would be equal to the dimension of the opening + 70 mm to allow for the positioning of the hinges and the keep.

For pricing purposes doors are grouped into three price categories, based on door width:

- width \leq 750 mm x 1800 mm high
- width $>$ 750 mm but \leq 870 mm x 1800 mm high
- width $>$ 870 mm up to 970 mm x 1800 mm high

The latter sized doors are generally used in the design of toilet cubicles for disabled persons, are outward opening and should be fitted with rising hinges (door returns to the closed position).

Unit of measure = No.

- vii. Top Rail Included in the price of the doors.
- viii. Vitraflex AF Bench 300 mm deep x 850 mm wide, with integral downstand (Radius = 25 mm, 150 mm high) and fitted with galvanized mild steel support brackets.
- e. In instances where a toilet cubicle adjoins a combination shower-changeroom cubicle, the partition separating the two is replaced by a Special Wall Stile which extends down to finished floor level and is secured by means of a continuous aluminium shoe - this is done to prevent any water from flowing into the toilet cubicle. The Stile at the front of the Special Wall Stile will also extend down to finished floor level, without stainless steel leg anchors.
- f. We have available a range of enamelled steel shower trays that can be used to complement our Vitraflex shower cubicles. Please refer to the Vitrex Document Ref. CC/GPS/SAN/01 "EuroSan Enamel (Porcelain Coated) Steel Baths and Shower Trays" for further details.
- g. The standard height of the Vitraflex Telescopic Stainless Steel Leg Anchors is 150 mm. Special height leg anchors can be supplied subject to minimum quantities and / or surcharges.
- h. The overall height of the Vitraflex Combination Shower and Changeroom Cubicles from finished floor level to top of Top Rail is of \pm 2025 mm.
- i. Please do not specify the Vitraflex Combination Shower and Changeroom cubicles in meters (m) in the Bills of Quantities as, without detailed drawings, our estimators will then not be in a position to determine the actual quantity and sizes of the various components required.

- j. In addition to the Vitraflex standard colour range, where specific colours need to be matched in enamel, this is done in accordance with good enamelling practice, after ensuring that the colours are proven stable under production conditions and as close as technically possible to the required colour. In addition, specific enamel thickness requirements need to be met (ideally the overall enamel thickness should be $\pm 300 \mu\text{m}$) and allowance must be made for two (2) cover coats, over and above the general ground coat (black). Colours are matched progressively on a trial and error basis. Please refer to the Vitrex Document Ref. CC/CM/01 Rev. 0 March 2010 "Colour Matching in Enamel" for further details.

- k. Our staff and Agents remain available to address any queries, provide project specific recommendations as well as to assist with sizing and take-offs from the relevant drawings. We would then also be in a position to draw up an itemised component schedule and prepare a corresponding estimate for the proposed scope of work.