



## VITREX (PTY) LTD

Tel: +27 11 826-6057/8/9 Fax: +27 11 823-1641

PO Box 13101, Witfield 1467, South Africa

9 Jansen Road, Jet Park, Boksburg

email: [vitrex@vitrex.co.za](mailto:vitrex@vitrex.co.za)

[www.vitrex.co.za](http://www.vitrex.co.za)



# GENERAL PRODUCT SPECIFICATIONS

## Vitrex Writing Walls

(Document Reference CC/GPS/BOARD/03 Rev. 1 April 2010)

(E&OE - Document and content subject to change without prior notice)

Vitrex Writing Walls are a new product, developed by using Vitraclad cladding panels to create large writing surfaces.

Writing Walls are custom-made to suit specific room layouts and wall sizes, offering greatly increased writing surfaces when compared to traditional writing boards.

Writing Walls can also be supplied with graphics and screening options and offer an ideal solution for meeting rooms, boardrooms, computer rooms, laboratories and “think tanks”.

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

Proprietary **Vitrex Writing Walls** consisting of:

### (1) Panels:

- i. **Fabricated Plate** - Front plate of 1.5 mm enamelling quality steel, vitreous enamelled White (Vitrex Colour Reference - Normal White LM2045/1) to the front face and with standard vitreous enamel base coat to rear.
- ii. **Flange Returns** - Panels to have double return flanges (40 mm + 20 mm) all around. Outside radius of the return bend on the return flanges to be  $R_{OUTSIDE} = 3.6$  mm (finished or enamelled dimension).
- iii. **Core** - Core of 12 mm Calcium Silicate.
- iv. **Back Plate** - Back plate of 0.5 mm galvanised mild steel.
- v. **Protection** - Vitreous enamelled steel face of front plate to be covered with removable protective plastic foil.
- vi. **Edge Detail** - Panel edges taped all round with a pressure sensitive polyethylene cloth tape. Perimeter of core against return flanges sealed with silicone sealant.



Member of the Institute  
of Vitreous Enamellers (IVE)

ISO 9001:2000 accredited  
Quality Management System



Directors

CFG Cottino M.Sc.Eng. (Civil) (Wits), KD Holzapfel, R Narotzky ACIS (Managing), RF Vollmer, B Yawitch B. Arch. (Wits) (Chairman)  
Reg. No. 83/13778/07

## (2) Substructure:

- i. **Panel Fixing Detail** - Cladding panels to be secured to a suitable sub-structure by means of proprietary brackets.
- ii. **Substructure** - Appropriate mild steel sub-structure complete with brackets and adjustment elements, all in a painted (red oxide) finish, to be secured to **brickwork / reinforced concrete**.

## (3) Vertical Joint (if applicable):

- i. **Vertical Panel Joint Detail** - Open joint (3 mm).

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 twenty (20) years, under the terms of the general Vitrex Writing Wall Guarantee."

## (A) Technical Notes:

- a. Alternative painted steel writing surfaces, often categorized alongside vitreous enamel steel by a number of other manufacturers under the generic name of "*magnetic surfaces*", and the high pressure density laminate (HPDL Formica) writing surfaces, also referred to as a "*non-magnetic*", although more economical in the short term, cannot match vitreous enamel steel, in terms of material construction, properties and ultimate performance.
- b. Furthermore, the use of these alternative surfaces is not to be recommended, particularly in high use areas (such as teaching institutions), as the chalk board surfaces are susceptible to "Loss of Texture" (the surfaces become smooth, with consequent reduced writing ability) and white board surfaces become susceptible to "Ghosting" (where the porous nature of the surfaces allows the ink to be partially absorbed, with consequent reduced ability to clean the board), leading to the necessity to replace the boards in a relatively short period of time.
- c. Please refer to the Vitrex Document Ref. CC/TN/SURF/01 "Technical Notes: Vitreous Enamel (VE) Steel Surface - vs - HPDL Formica (Non-magnetic) and Painted Steel (Magnetic) Surfaces" for further details.
- d. Details of any graphics to be incorporated in the design of the panels would need to be clearly specified in the tender documentation and all relevant artwork (positives) required for the preparation of the screening (graphics) must be made available by the Client, where applicable in accordance with their Identity Programme, and in an appropriate format (Corel Draw or Macromedia).
- e. Vitrex Writing Wall panels are manufactured with a maximum, individual face width of 1160 mm. The maximum height of the panels is 3000 mm.
- f. The use of heavy gauge panels offers the design possibility of introducing corners (internal and external) and wrap around elements at the end of a wall.

- g. Allowance can be made in the writing wall panels for cut outs in respect of services. Please note however that this would need to be clearly specified in the tender documentation.
- h. The individual Writing Walls need to be identified, sized and specified in the BOQ documentation:
- i. Writing Walls Overall size **Width** mm wide x **Height** mm high consisting of      (*number*) individual panels, each size **width** mm wide x **height** mm high.  
Unit of measure = No.
  - ii. Internal Corners The requirement for internal corners needs to be specified.  
Unit of measure = No.
  - iii. External Corners The requirement for external corners needs to be specified.  
Unit of measure = No.
  - iv. Wrap-around The provision of a wrap-around detail at the end of the wall needs to be specified in terms of the wall thickness and the extent of the return.  
Unit of measure = Item.
  - v. Cut-outs The provision of cut-outs needs to be specified in terms of shape and size.  
Unit of measure = No.
  - vi. Graphics The provision of graphics needs to be specified.  
Unit of measure = Item.  
*Reference must be made to the relevant drawings and full details of the graphics required must be available at time of tender.*
- i. 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.