



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

www.vitrex.co.za



COMPANY PROFILE

(Document Reference CC/CP/VITREX/01 Rev. 1 April 2010)

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

1. Name of Company:

Vitrex (Pty) Ltd in conjunction with Vitrex (Europe & Middle East) Ltd

2. Address:

Vitrex: 9 Jansen Road, Jet Park, Boksburg, South Africa

3. Telephone Number / Fax Number:

Vitrex: Telephone (+2711) 826-6057

Facsimile (+2711) 823-1641

Mobile (+2782) 412-3054

4. Contact Name / Email Address / Website:

Vitrex: Cristian F.G. Cottino cristian@vitrex.co.za

vitrex@vitrex.co.za www.vitrex.co.za

5. Legal Status:

Vitrex: Proprietary Limited Company

6. Company Registration Number:

Vitrex: Registration No. 1983/013778/07



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

7. Overall Description of Company and Services Offered:

Vitrex is involved in the design, manufacture, supply and installation of various vitreous enamelled steel architectural products for application in the building and construction industries.

Vitreous Enamel (VE) steel combines the traditional properties and attributes of glass with the strength and fabrication flexibility of steel. Vitreous enamel steel surfaces are created when an inorganic coating is fused to an enamelling steel base at controlled temperatures of around 820°C.

The unique combination of glass and steel exhibits the following properties and offers a number of benefits:

- Variety of Colours and Finishes.
- Colour Fastness.
- Resistance to corrosion.
- Hygienic.
- Resistance to Abrasion.
- Resistance to Vandalism, Impacts and Chemicals.
- Heat and Fire Resistance.
- Resistance to Thermal Shock.
- Vermin-proof.
- Acoustic and Thermal Insulation
- Dielectric Properties.
- Low Maintenance.
- Green Issues and Environmental Care.
- Sustainability Input during and after Construction Phases.

(Please also refer to our Document Ref. CC/VE/PROP/01 "Properties of Vitreous Enamel Steel" for more details).

Our products include purpose made and engineered elements such as architectural cladding, enamel signs and cloakroom cubicles, as well as commodity items such as baths and shower trays, chalk boards, white writing boards and pin boards.

In respect of the custom made products, Vitrex offers a single source service, comprising:

- i. Technical and costing expertise.
- ii. Advice at early design stage on details, feasibility and product specifications.
- iii. Colour development.
- iv. Design office and drawing facilities.
- v. Fabrication, enamelling and assembly.
- vi. Testing of vitreous enamelled steel surfaces.

Over the years, our products have been successfully installed and used in a very wide variety of applications:

- Offices.
- Shopping Centers, Restaurants and Pubs.
- Business Parks.
- Hospitals and Clinics.

- Hotels, Resorts, Entertainment and Convention Centers.
- Factories and Manufacturing Facilities.
- Laboratories.
- Mines and Hostels.
- Public Ablution Facilities.
- Schools, Technicons and Colleges, Training Centers and Universities.
- Libraries and Social Centers.
- Army and Police Camps and Training Centers.
- Border Posts.
- Prisons.
- Abattoirs.
- Petrol Stations and Rest Stops.
- Airports, Railway Stations, Underground Stations, Bus Stations, Taxi Ranks, Ports and Harbours.
- Churches and other Places of Worship.
- Stadiums.
- Sports Clubs, Gyms and Physical Training Centers.

The Vitrex Head Office and Factory are situated in Jet Park, Boksburg, in close proximity to the O.R. Tambo International Airport.



The company is housed in self-owned offices of 1000 m² and factory of 7200 m².

The plant includes a specialised enamelling furnace, enamel milling facilities for the preparation of all enamel formulations and in-house facilities for quality control and test purposes.

Design and drawing facilities are located within the offices and provide the relevant technical assistance.

Vitrex is a member of the Institute of Vitreous Enamellers (IVE) in the U.K., the Steel and Engineering Industries Federation of South Africa (SEIFSA) and the Johannesburg Chamber of Commerce and Industry (JCCI).



8. Details of Offices, Regional Partners and Agents:

Vitrex:	Johannesburg (South Africa)	Head Office
	Durban (South Africa)	Regional Office
	Cape Town (South Africa)	Regional Agent
	Port Elizabeth (South Africa)	Regional Agent
	Gaborone (Botswana)	Regional Office
	Windhoek (Namibia)	Regional Agent
	Vitrex West Africa Tema (Ghana)	Regional Agent
	Vitrex (Europe & Middle East) Ltd London (United Kingdom)	Regional Office
	DK Connections Pte Ltd Singapore	Regional Agent
	Hendler Seaporcel (H.K.) Ltd Hong Kong	Regional Agent

9. Management and Staff Resources:

Overall Staff Complement in Group:

Directors	5
Senior Management	8
Junior Management	7
Office Staff	20
Factory Staff	<u>170</u>
Total	211

We believe that our existing resources will enable us to execute most contracts. However, in the event of more complex or larger projects, we would introduce additional contract specific resources:

Management: A dedicated, full time Project Manager to be appointed specifically for a contract to coordinate all design issues, the procurement of materials, the production, delivery and installation of the products.

Factory Staff: We have access to additional labour resources, both skilled and unskilled, to bolster and support our permanent staff as required.

10. QA Policy:



11. Applicable Standards:

Vitrex System 1000 Chalk Boards are manufactured in accordance with SABS Standard CKS 36/2004 Edition 4 and are suitable for Class 1: Heavy Duty applications, as defined therein.

Vitraclad vitreous enamelled steel cladding panels are manufactured in accordance with the European Standard EN 14431:2004 for “Vitreous and porcelain enamels – characteristics of the enamel coatings applied to steel panels intended for architecture”.

12. Health and Safety Policies:

Our operations in South Africa are required to meet the parameters laid down in the South African Occupational Safety and Health (OSH) Act No.85 of 1993.

All staff have undergone and continue to undergo OSH training and whilst we are not audited by an independent body in respect of compliance, we are guided by an external consultant and operate an internal system that remains subject to inspection by the relevant South African authorities.

Please note that compliance to the OSH Act requirements forms part of the ISO 9001:2000 audits.

13. Details of IT Hardware and Software available to the Company:

Workstations and Laptops, Server, Printers and Plotters, Photocopiers, Faxes, Mobile Phones.

Windows Platforms (Vista, XP), Microsoft® Office Suite, Microsoft Project®, AutoCAD, Amada BendCam Software.

14. Method Statement - Contracts:

- i. Address any technical, contractual and commercial requirements, issues and queries.
- ii. Complete and submit required documentation.
- iii. Appoint a dedicated Project Manager (if required).
- iv. Draw up a resources plan (personnel, materials and equipment) and a programme for the design and manufacture of the cladding panels, using the contract programme as the base.
- v. Development of the required colours and graphics (if applicable).
- vi. Tests on the enamel surfaces (if required).
- vii. Action material procurement in accordance with resource requirements.
- viii. Design, manufacture and submission of samples.
- ix. Preparation and submission of layout, arrangement and manufacturing drawings for approval.
- x. Manufacture: fabrication, enamelling, lamination, assembly, packing, crating.
- xi. Loading of container and / or crates.
- xii. Verification of any queries or problems relating to specific shipments, crates and / or component on site, as may be reported from time to time.
- xiii. Preparation and submission of the O&M Manuals.
- xiv. Customer Satisfaction Survey.
- xv. Photographic Record of Installation.
- xvi. Internal Contract Completion Review Meeting.

Did you know?

Enamelling is one of the oldest techniques known to man, with origins that date back over 4000 years.

The Breast Jewels of the Egyptian Pharaoh Amenemhet II (1837-1789 B.C.) are considered to be one of the oldest examples of enamel works.

The origins of our company go back to Hendler Seaporcel, a subsidiary of Hendler Ltd., then a large family owned company, which had, since the mid 1950's, manufactured vitreous (also referred to as "porcelain") enamelled steel chalk writing boards, and, under licence to Alliancewall, USA, VE infill panels for curtain walls.