Engineering QUIET since 1973

Absorption Panels & Fabricmate

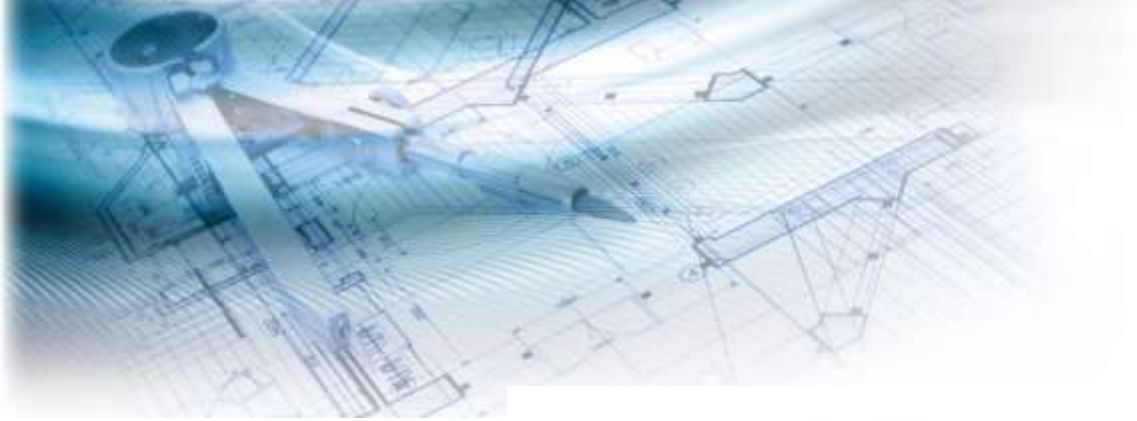
Fabricmate Absorption Panels in a boardroom

Natural wood veneer ceiling panels with laser cut slots

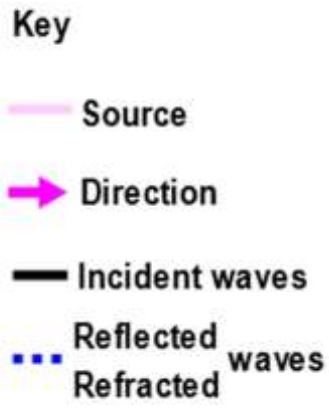
Introduction to acou

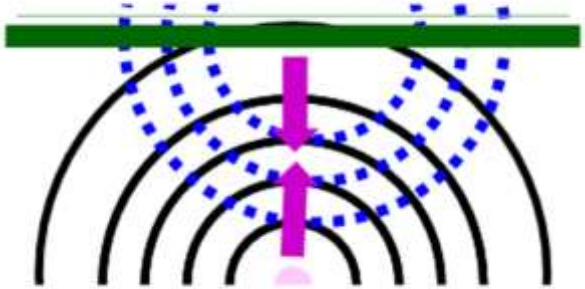
Why do you need acoustic absorption?

- modern designs make use of **highly reflective surfaces** such as glass, steel, granite and marble which causes additional unwanted reflections
- **reverberation and echo** are often undesirable in a room
- to eliminate these **effects absorbent surfaces** that absorb (audibly deaden) waves can be applied
- **low frequency waves** tend to congregate in corners of rooms and can often cause strong audible differences in rooms with symmetrical surfaces, through standing waves
- **adequately absorbent materials** can be installed to counter these effects

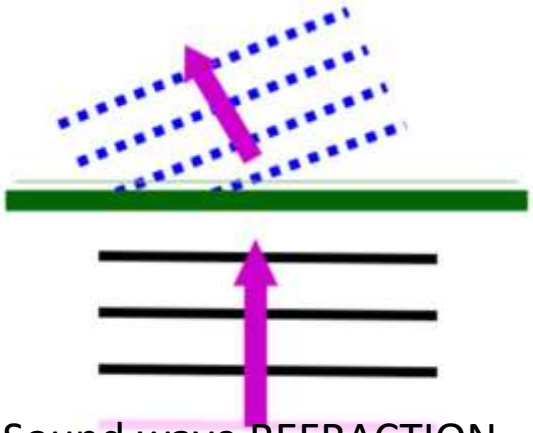


aluglass bautech®

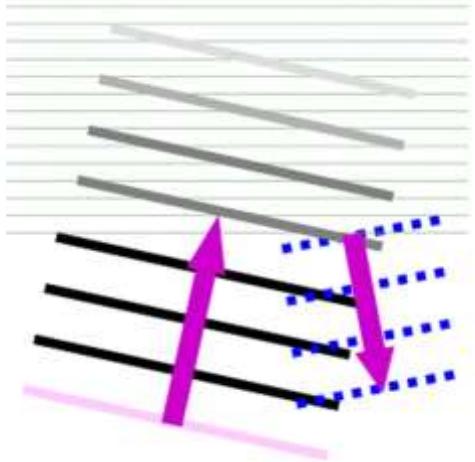




Sound wave REFLECTION

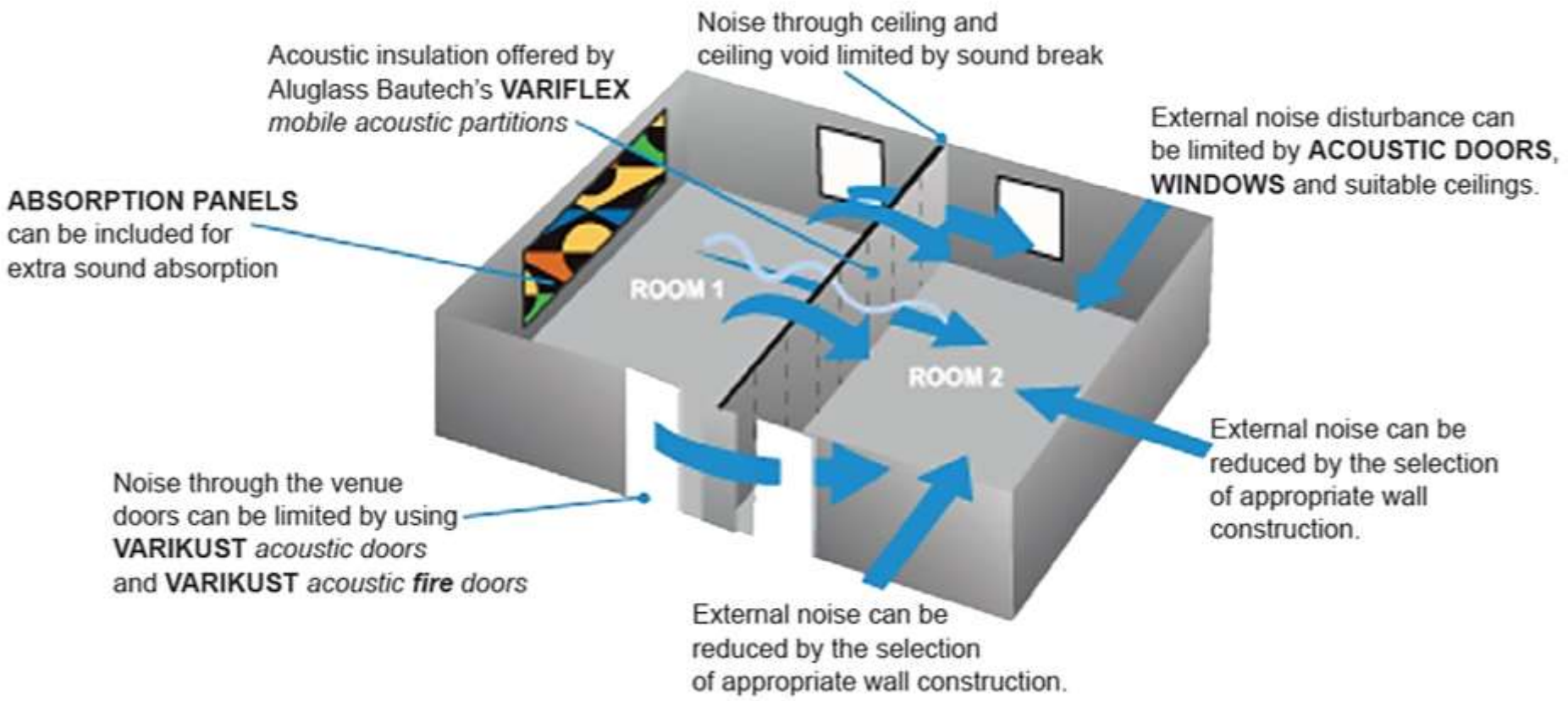


Sound wave REFRACTION



Sound wave ABSORPTION

Acoustic overview



Absorption Panels @ Deutsche Bank

Product features

- reduces unwanted reflections and echo's
- noise reduction coefficient (NRC) range from 0.5 to 0.85

  The NRC is a single-number index determined in a lab test and used for rating how absorptive a particular material is. This industry standard ranges from zero (perfectly reflective) to 1 (perfectly absorptive). It is simply the average of the mid-frequency sound absorption coefficients (250, 500, 1000 and 2000 Hertz) rounded to the nearest 5%.*

- compliments our range of acoustic partitions & doors
- can be intergrated into our Variflex® system

Applications

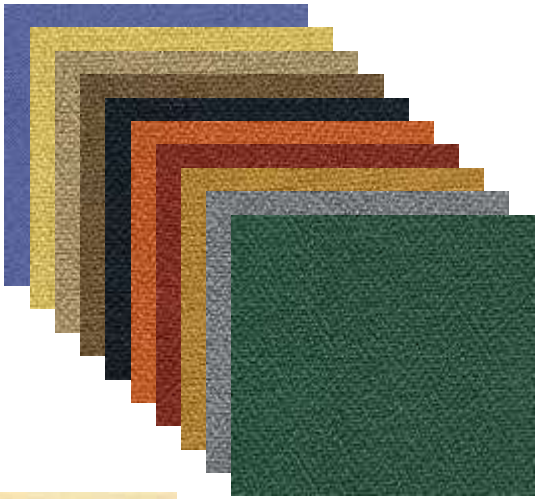
Absorption Panels @ University of Pretoria

- conference venues
- meeting rooms
- lecture halls
- school rooms
- court rooms
- auditoria
- places of worship
- radio & TV studios
- theatres
- home theatres

aluglass bautech®

Finishes

- Aluglass Bautech offers a wide range of **Vulcan fabrics**, but customers may also supply upholstery grade fabric to suit decor and interior. Please make sure if your fabric is “directional” that it is not turned from vertical to horizontal (or vice versa) when using cut-offs or smaller sized panels. Similarly, pay attention to any “pattern” (or “repeat”) the fabric may have. There are fabrics that both have patterns and are directional.
- screen fabrics
- natural wood veneers with laser cut slots: Beech, Cherry, Etimoe, Kiaat, Mahogany, Maple, Oak, Rosewood, Walnut, Wenge (other finishes available on request)



Projects to be proud

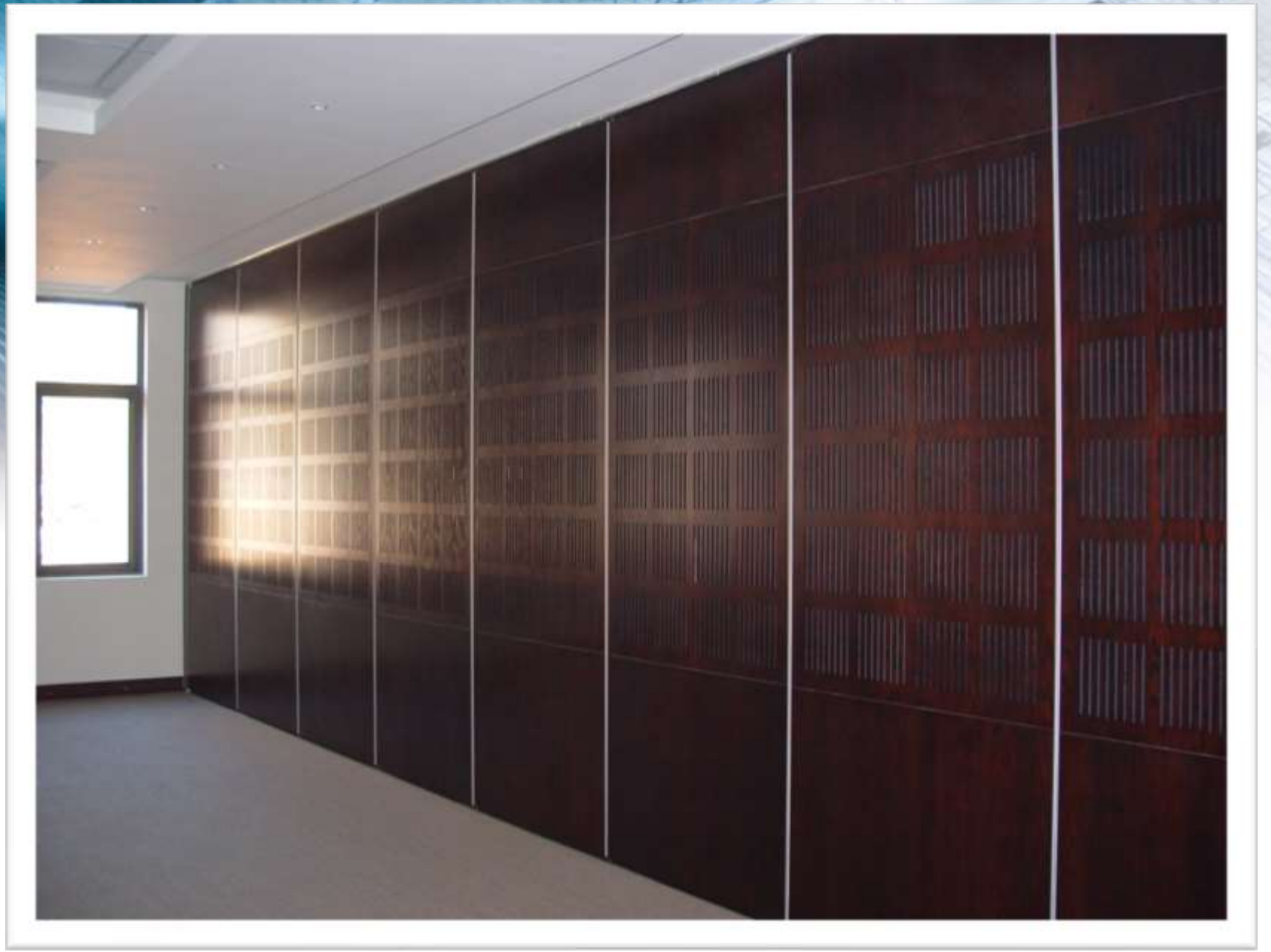
Absorption Panels @ Magistrate Courts across Botswana

Fabricmate Panels in an atrium

Absorption Panels @ University of Johannesburg

Fabricmate Panels at a school

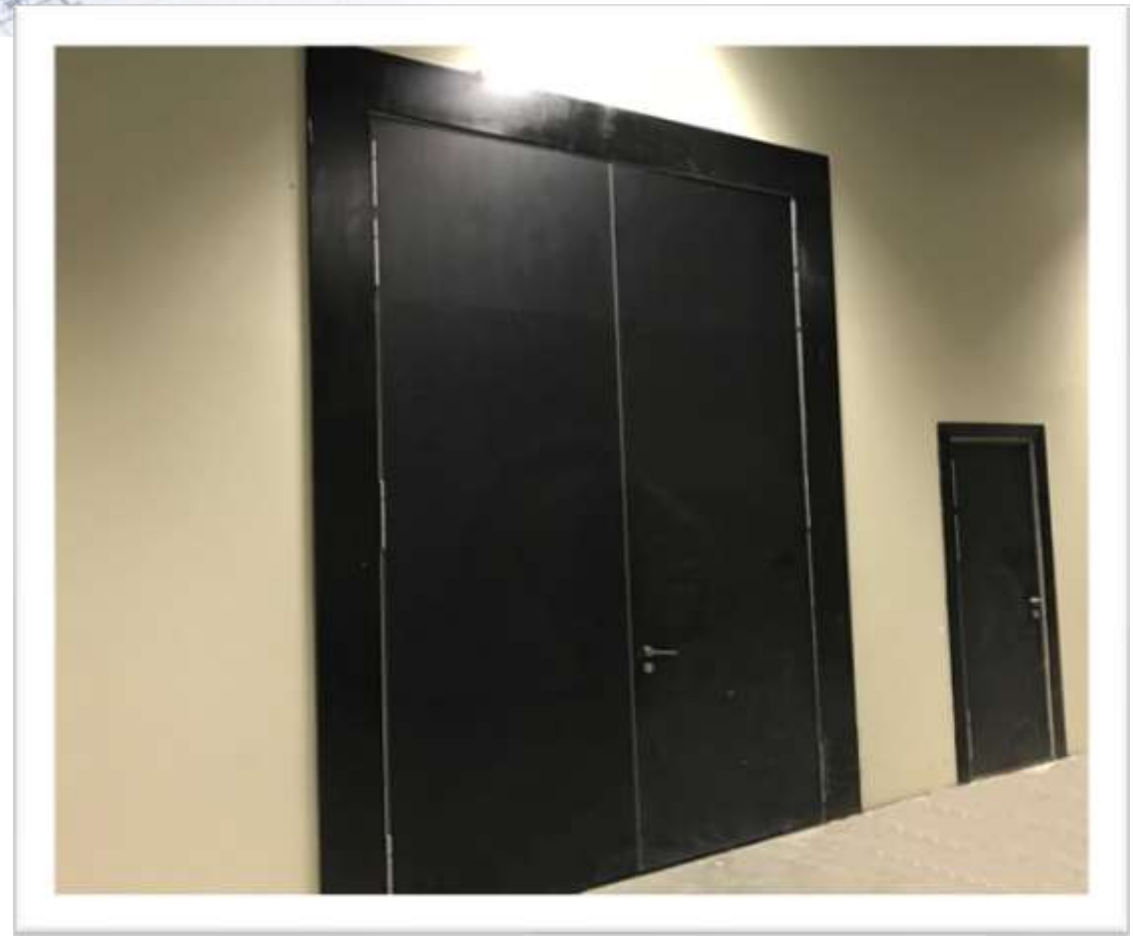
Absorption Panels integrated into Variflex® @ CTICC



Absorption Panels integrated into Variflex® @ Microsoft

Fabricmate Absorption Panels in an auditorium

Other product projects be proud of...



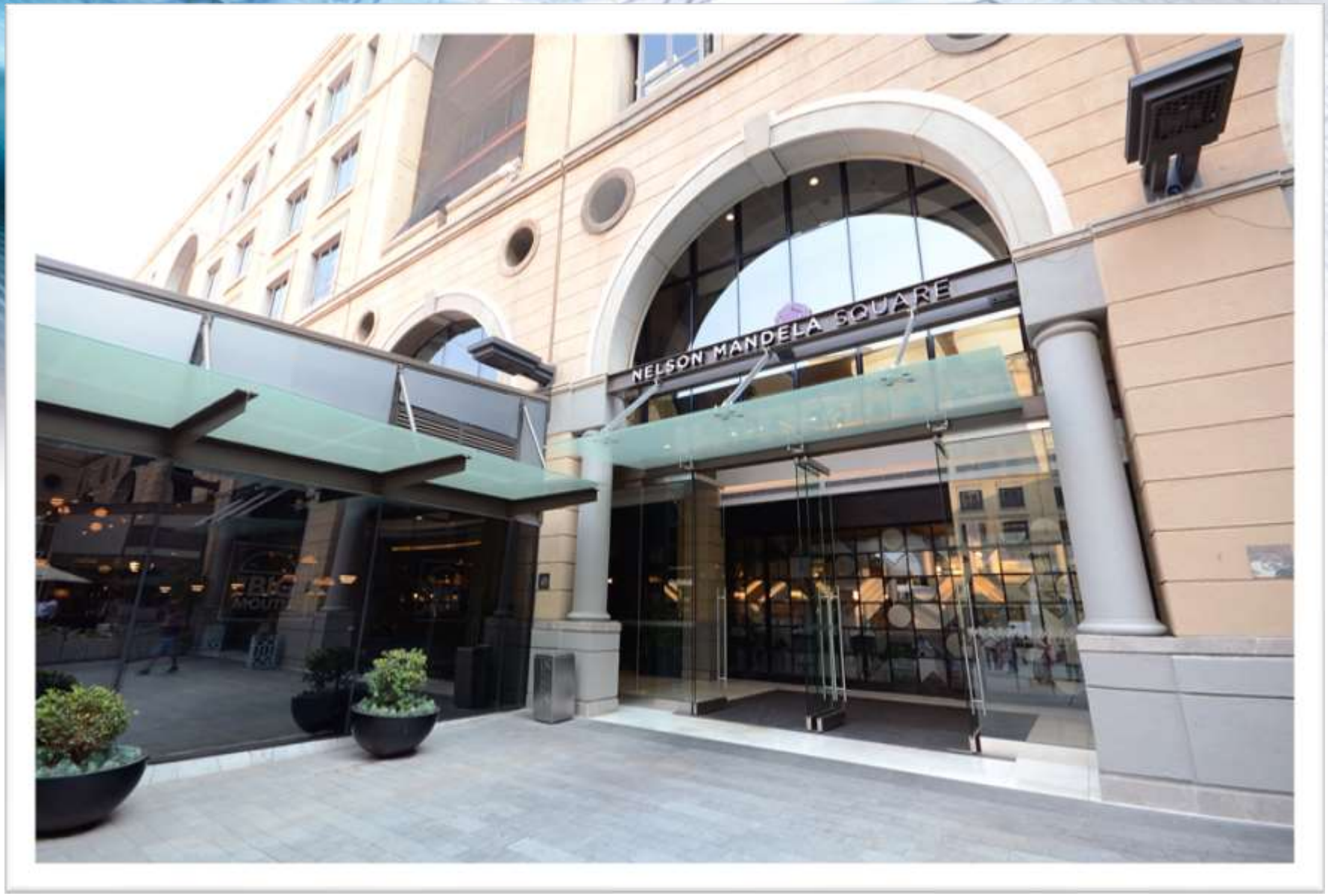
Varikust® @ Sky Rink Studios Johannesburg

Variflex® @ Allen and Overy Sandton

Flush Glazed Curtain Walls @ Nelson Mandela Square

Absorption Panels, GF Serene and Varikust doors @ Deutsche Bank

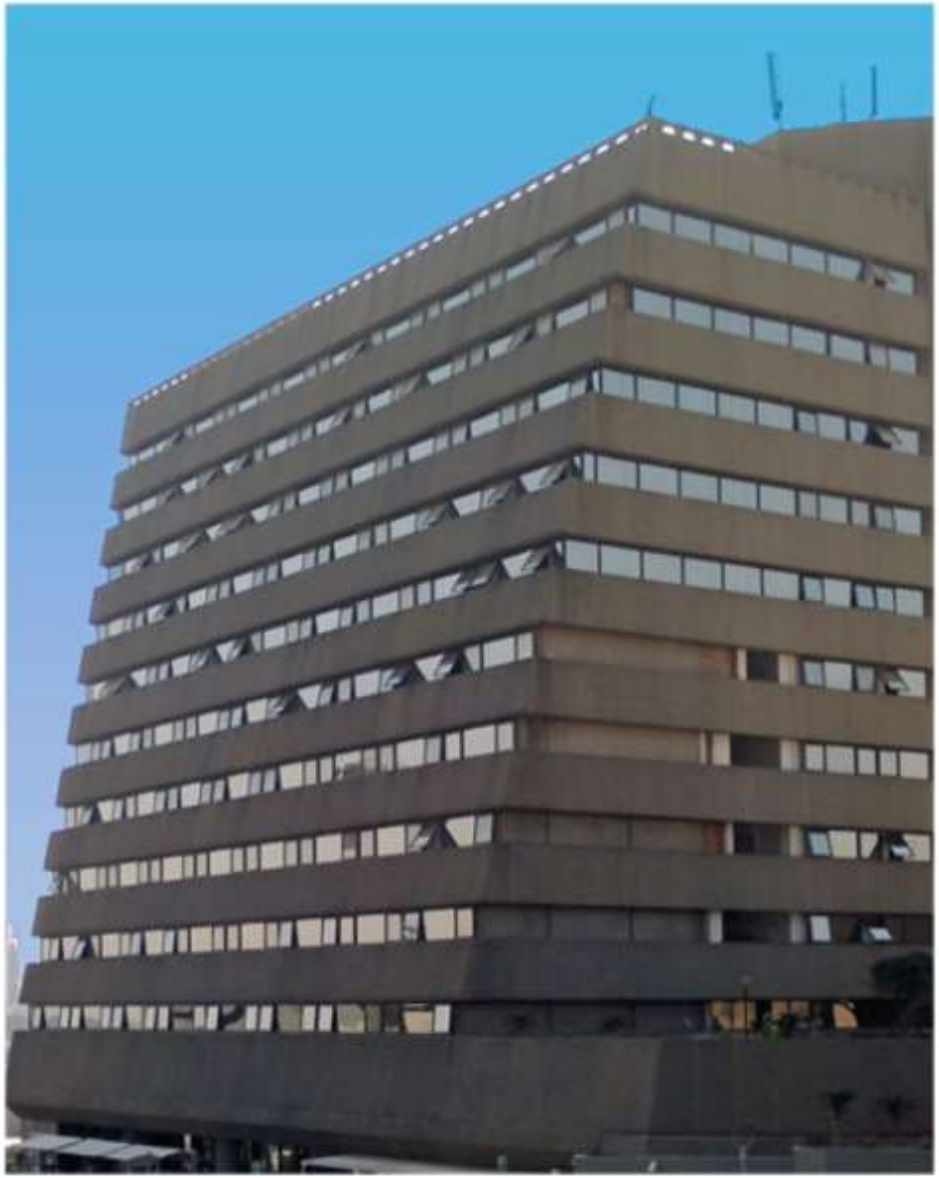
12m high Variflex® @ Cape Town Film Studios



Frameless Glass Entrance Doors and Canopy Glass @ Nelson Mandela Square

Variflex® @ Times Square Casino

GF Serene & Varikust® @ Allen & Overy Sandton



Glassflex® windows @ Sandton Sun

Varikust® FIRE Doors @ University of Johannesburg

Variflex® @ CSIR Pretoria

Showerflex® @ Windhoek Country Club Namibia