

# tal<sup>®</sup>

THE PROFESSIONAL CHOICE

**CHRISTIAAN BARNARD  
MEMORIAL HOSPITAL**

CAPE TOWN



**THE SCIENCE  
BEHIND  
WORKING SPACES**





Address: 13 Rua Bartholomeu Dias Plain, Cape Town City Centre, Cape Town

Scope: Preparation and levelling of floors for vinyl sheeting installation

Area: Surgical theatres, neo-natal and maternity wards

#### CHALLENGES FACED



High levels of moisture in concrete slabs

Installation of vinyl sheet flooring required a smooth and level surface. High levels of moisture in the concrete slabs threatened the performance and integrity of the installation and required a vapour barrier to protect the success and longevity of the final finish.

#### SOLUTION

A multi-level system for installation of vinyl overlays

**Level 1** – Vapour barrier system. Two coats of TAL VaporStop HB were applied to prevent the passage of water vapour and moisture through the concrete slabs into the underlayment compound and vinyl sheeting layers. TAL Primer Aggregate was broadcast into the wet, second layer of TAL VaporStop HB to provide a key for the underlayment system.

**Level 2** – Underlayment system. TAL Screedmaster was poured, raked and spike-rolled over the prepared surface. Manufactured from rapid-setting, shrinkage-compensated cement and selected aggregates, the self-levelling characteristics of TAL Screedmaster ensured a totally smooth and level surface. As installation time is minimal with this compound, a fast turn-around was ensured on the project.

**Level 3** – Vinyl overlayment system. Penta Flooring and Kalley Flooring, were the appointed installers of the vinyl floor finish. These two contractors levelled several thousand meters of floor, to achieve the smooth and level surface required for the successful installation of the Polyflor Vinyl Sheetting.

#### INTERESTING FACTS

The new hospital complex is named after medical pioneer, cardiac surgeon Dr Christiaan Barnard, who performed the first human heart transplant in 1967. It boasts 250 beds, state-of-the-art theatres, doctors' surgeries and consulting rooms, linked retail, a gym, and a parkade.



TAL is a division of Norcros SA and has been a trusted manufacturer and supplier of the highest quality materials to the construction industry for almost 50 years. Our products are designed for the harsh South African climate and to be fully compatible with each other. The TAL laboratory is the first in Africa to gain ISO 17025 accreditation for 1348:2007 testing (tensile strength of cementitious tile adhesives). We supply free technical Methods and Materials Specifications for projects, and when correctly followed, projects are awarded the TAL 10-year guarantee. When you consider these facts in combination with our commitment to exceptional customer service, technical advice and on-site support, it is clear that TAL is there for you at every level, to help make your project a success – from design to completion.

**TAL TECHNICAL ADVICE CENTRE: 0860 000 TAL (825) or [taltech@tal.co.za](mailto:taltech@tal.co.za) • [www.tal.co.za](http://www.tal.co.za)**

**Johannesburg 011 206 9700 | Cape Town 021 386 1810 | Durban 031 579 2263**

\*TAL, TAL Primer Aggregate and TAL Screedmaster are registered trademarks of Norcros SA (Pty) Ltd. © 2019 TAL – a division of Norcros SA (Pty) Ltd. Vaporstop HB is a registered trademark of X-Calibur International.