

## NEW LIBRARY ALEXANDRIA, EGYPT



## NEW LIBRARY ALEXANDRIA – A CENTRE OF CULTURE AND KNOWLEDGE

With its approximately 700,000 Papyrus rolls, the Old Alexandria Library was the centre of knowledge and cultural exchange between Orient and Occident. It was founded by the Hellenics in the year 288 B.C. and fell victim to fire during the Roman period. Science and culture have never been able to recover from this major loss and so it was that, in the 1970's, the idea of rebuilding the library took shape. Thanks to the support of many nations and private persons, as well as Unesco, the New Alexandria Library was opened in 2002. In order to preserve the valuable treasures for future generations, great importance was attached to the sealing of the building.

### THE VANDEX SOLUTION

After detailed investigation, the engineering consultant responsible for the project decided, in close cooperation with the main contractor, to use Vandex products to waterproof the structure against hydrostatic pressure from the inside of the concrete. After local waterproofing pretreatment of the diaphragm wall, the external below ground walls and floors of the Planetarium were waterproofed with VANDEX SUPER at the rate of 1.5 kg/m<sup>2</sup>, brush applied in two layers. Construction joints were chiselled out and waterproofed with VANDEX UNI MORTAR 1.



Mixing of VANDEX SUPER



VANDEX SUPER brush application to inner concrete wall surfaces

### TECHNICAL INFORMATION

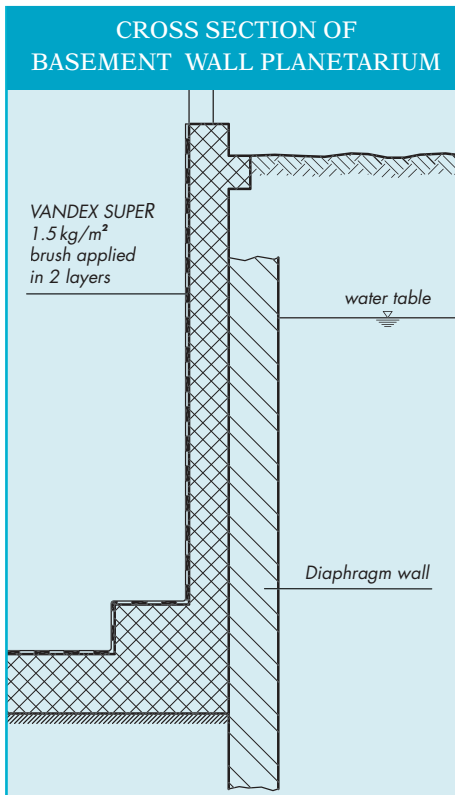
**Products used:** VANDEX SUPER, VANDEX UNI MORTAR 1  
**Areas treated:** internal basement concrete surfaces  
**Total treated area:** 15,000 m<sup>2</sup>  
**Application method:** brush



## HIGH PERFORMANCE SEALING TAPE FOR MOVEMENT AND CONSTRUCTION JOINTS

- permanent flexible seal against waterpressure
- high elasticity
- thermal welding secures tape joints
- Epoxy glue matched to praxis
- no primer required

VANDEX FLEXTAPE is a thermoplastic elastomer. Extremely durable, it has excellent resistance to weathering and is UV and chemically stable. The bond to the substrate is achieved using VANDER FLEXTAPE ADHESIVE, an Epoxy resin. No primer or activator is required.

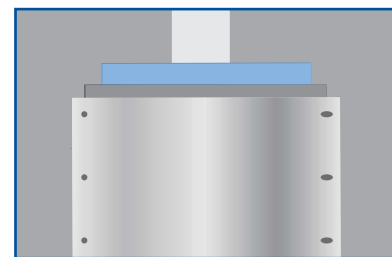


**Owner:** Arab Republic of Egypt,  
**Architect/Engineer:** Snøhetta/Hamza Consortium  
**Main Contractor:** Arab Contractors/Balfour Beatty  
**Vandex Applicator:** Sodeco Specialities S.A.E.

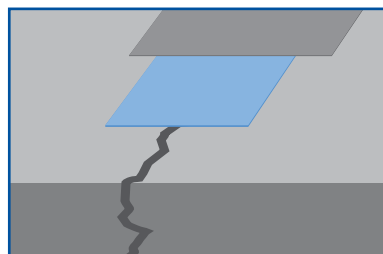
*The state of the art joint waterproofing solution for many applications:*



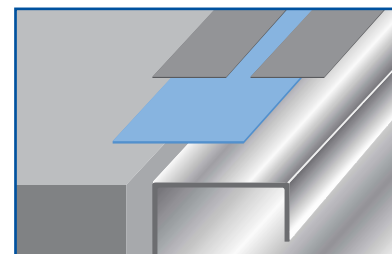
*Horizontal or vertical construction or movement joints*



*Application on passive side with counterpressure structure*



*Cracks in concrete structure*



*Seal over different types of materials or structures*

**For more information visit our website [www.vandex.com](http://www.vandex.com).**