



## National Museum for Civilization - Cairo - Egypt

**Project Name:** National Museum for Civilization  
**Scope:** External Waterproofing  
**City:** Cairo  
**Country:** Egypt  
**Main Contractor:** Hassan Alam Sons  
**Vandex Applicator:** Sodeco Specialties S.A.E  
**Construction Period:** 2006 – 2007  
**Consultant:** Prof. Dr. Ghazali Kasseba Office



Construction site National Museum

### Technical Information

**Products Used:** VANDEX SUPER  
VANDEX UNI MORTAR 1

**Areas Treated:** 50,000m<sup>2</sup>

### The Vandex solution:

The blinding concrete is poured and screeded as usual to a minimum layer thickness of 10 cm.

**Step1 :** Dry sprinkling of Vandex Super at the rate of 2.0kg/m<sup>2</sup> to the pre-watered blinding concrete just prior to the concrete pour.

Vandex Super was sprinkled dry over a sieve with a mesh of 1mm.

**Step 2:** Concrete to receive Vandex Super must have a clean and open capillary system for better penetration of the active chemicals and maximum bonding.

First apply Vandex Super then repair/fill up with Vandex Unimortar1.

Construction joints and cracks exceeding 0.3mm shall be routed out to a minimum of 20mm depth.

**Step 3:** Application of two coats of Vandex Super to the vertical walls at the rate of 0.75 kg/m<sup>2</sup> each.

Spread the material evenly and work it well into the surface. Apply the second coat whilst the first is still green.

Curing for at least five days and kept wet the whole period.

- ❖ Vandex Super Capillary Active Material.
  - in-depth waterproofing and protection
  - permanent active
  - applied to pressure or non-pressure concrete face
  - approved for potable water contact.



- ❖ Vandex Uni Mortar1 Waterproofing & Repairing Mortar.
  - for horizontal and vertical concrete surfaces
  - resistant to frost and deicing salts
  - approved for drinking water structures

