



HSBC Bank New Head Office in Maadi – Cairo - Egypt

Project Name: HSBC Bank Egypt New Head Office
Scope: Basement Waterproofing & Pile Heads Repairs
City: Maadi, Cairo
Country: Egypt
Main Contractor: CCC
Applicator: Sodeco Specialties S.A.E
Construction Period: 2006 – 2007
Consultant: ECG



Construction site HSBC Bank Egypt

Technical Information

Products Used: Vandex Super
 Vandex Unimortar 1
 Sodgrout MC
 Bitustick Q
 Bituboard

Areas Treated: 6500m² W.P.membrane + 211 Piles

❖ 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



❖ Bitustick Q

- a self adhesive waterproofing membrane , 1.5mm thick
- consists of a self adhesive polymer modified bitumen layer

❖ Sodgrout MC

- is a high strength, shrinkage compensated cementitious micro concrete & include aggregate which permits grouting of thickness more than 80mm.
- is high strength, non-shrink cementitious mortar, and acceptable depth is 10mm min & 50mm max.

Pile Heads Insulation Works

1. Chipped off irregularities and sharp edges of pile head surface.
2. Chisel out a cone shape around each steel bar and fill it with special waterproofing & repairing mortar "Vandex Unimorter1"
3. Apply a layer of waterproofing works "Vandex Super" on top of the pile and 20cm height of the pile perimeter
4. Sodgrout MC Cementitious grout with an average thickness of 25mm is applied on top of pile head for leveling purpose
5. Extend the self adhesive membrane to reach the top level of the pile head
6. Cover the epoxy resin repair mortar and the portion of the self adhesive above the out off level with 15mm thick of cementitious grout Sodgrout MC