

**Project:**

Credit Agricole Bank – Head Office Building )

**Location:**

El-Teseeny Street – New Cairo

**Project completion:** (2014)

**Owner/s:**

Credit Agricole Bank

**Contractor :**

Orascom Construction Industries

**Applicators:**

Thyssen Krupp - Abuild

**Concrete Producer :**

( Lafarge)

**Civil Consultant:**

( Engineer Consultant Group-ECG)

**Market sector:**

( Commercial )

**The Challenge**

45,000 m2 the two basement area that need to be protective with an epoxy System in a very short time with high quality .

. 10,000m2 PVC sheets with difficult variable details specially the Connection between PVC & Torch applied Membranes

. Choosing Sealant Anti-Fungus type & at the same time matching with the Finishes colors .

. Having about 20,000 m2 White Engineering Stones with high Porosity in all floors .

. Having large wet areas need high quality tile adhesives to be applied in short time.

## Credit Agricole Bank – Head Office Building



### Description of the Project

The new Head Office Complex Building is located on a plot area of 51,334 m2 in New Cairo. The project implemented on 50% of the area (26,667 m2), with a built up area of 42,000 m2. The building comprises two basements, ground floor, and three typical floors.

The building emerges from an oasis of palm trees. The strong, regular geometry of the building is contrasted by irregular shapes of the surrounding landscape elements, namely, the palm trees and large boulders.

The design intelligently uses the project site's natural slope, creating a semi-open garden floor. The building is divided into two above ground wings of three to four floors connected by a central hall with interior bridges

kitchen facilities; board room; reception/meeting room; employee offices; training center; a 150-person auditorium; IT communication and data room; loading bay; security room and post room..

The basement comprises gymnasium; two prayer rooms; maintenance room; first-aid room; and archiving area.

The Head Office Complex is designed to reach the required qualifications for LEED Gold Level (full LEED documentation was implemented, including feasibility studies, daylight simulation, etc

ECG (Consultant )used Revit BIM Package throughout the design process, starting from the schematic design all through the design stages.



## MasterPren BG 1.5MM System



### Products used:

- |  |   |
|--|---|
| . MasterFinish 341M<br>Quantities : 3 Tons     | . MasterPren BG 1.5mm<br>Quantities : 10,000 m2 |
| . MasterKure 101<br>Quantities : 5 Tons        | . MasterTop 1200iM<br>Quantities : 2 Tons       |
| . MasterCast 141M<br>Quantities : 6 Tons       | . MasterTop 1175<br>Quantities : 5 Tons         |
| . MasterFlow 544<br>Quantities : 20 Tons       | . MasterTop 1240iM<br>Quantities : 5Tons        |
| . MasterFlow 928<br>Quantities : 25 Tons       | . ConiPur TC 458<br>Quantities: 1 Ton           |
| . MasterFlow 980<br>Quantities : 30 Tons       | . MasterTile 30<br>Quantities : 25 Tons         |
| . MasterFlow 648<br>Quantities : 9 Tons        | . MasterTile 530<br>Quantities : 4 Tons         |
| . MasterBrace ADH 2200<br>Quantities : 5 Tons  | . MasterSeal RSG 705<br>Quantities : 1.5 Tons   |
| . MasterSeal NP1<br>Quantities : 1500 Sausages | . PCI Carrament<br>Quantities : 17 Tons         |
| . MasterFlex 472<br>Quantities : 1000 Sausages | . PCI Carrferm<br>Quantities : 400 Cartidges    |
| . MasterSeal 622<br>Quantities : 20 Tons       |   |

### Project facts at a glance for Master Builders

#### Solutions Products: Epoxy System :

- Hygienic and safe
- Easy to clean
- High mechanical strength
- Impact and abrasion resistant
- Good chemical resistance
- Slip resistant
- Non tainting

#### PVC Lining System

- Double weld allows pressure testing of joints
- Superior mechanical characteristics
- Signal layer shows damage and aids visual inspection on-site
- High mechanical resistance and elasticity
- Long life expectancy
- Resistance to wash-out action
- Resistance to root penetration
- Resistance to bursting at high water pressure

### The Customers Benefit

- Master Builders Solutions provided the technical and after sales support
- Very Easy Maintenance & housekeeping for Epoxy floors
- Master Builders Solutions provided the total solution for the client in all cases .

### Master Builders Solutions by MBCC Group

The Master Builders Solutions brand expresses MBCC's expertise in providing customized chemical solutions for new construction, maintenance, repair and restoration of structures.

Master Builders Solutions is built on the experience gained from more than a century in the construction industry. At the core of the Master Builders Solutions brand is the combined know-how and experience of a global community of MBCC construction experts, who connect with you to solve all of your construction challenges.

Further information is available at:

<https://www.master-builders-solutions.com/en-eg>

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**More Pictures taken during Construction of the Building**



Epoxy Ramp System using ConiPur TC 458



OverView Picture for the Entrance Hall



Epoxy System at the Basement Manholes



Using Damp Proofing Master Builders Solutions Products for





During Excavation



During Testing Master Builders Solutions PVC ( MasterPren BG 1.5mm )



During Applying Damp Proofing product MasterSeal 622

