

Cairo Festival City

Project:

Cairo Festival City

Location:

Intersection between Ring Road & El-Teseeny Street – New Cairo

Client:

El-Foutaim Group

Civil Consultant:

ECG

Period of Construction:

2008 till 2013

Main Contractor:

Orascom Jv Carillion

Applicator:

Thyssen Krupp – Xervon
 ABuild – FloorTec – VSL & Nextep

Concrete Supplier

LAFARGE – EGYPT

Solutions Used :

- . Surface improvement System
- . Epoxy Flooring System
- . Repairing System
- . Tilling System
- . Joint Sealant System



Brief History of El-Foutaim Group

Established in the 1930s as a trading business, Al-Futtaim is one of the most progressive regional business houses headquartered in Dubai, United Arab Emirates.

Structured into eight operational divisions; automotive, electronics, engineering and technologies, financial services, general services, partners, real estate and hospitality, and retail.

Three current flagship mixed use urban communities under the Festival City brand are Dubai Festival City (5.2 million sq. m), and Cairo Festival City (3 million sq. m). Doha Festival City is the newest addition to the group.

The Project Description

Spanning a land area of over 3 million sq. m (700 acres), Cairo Festival City is a visionary mixed use urban community strategically located at the gateway to New Cairo city. Cairo Festival City sets new standards as Egypt's premier indoor-outdoor shopping, dining and entertainment destination, providing spectacular residential villas and luxurious apartments, as well as prime office spaces, together with internationally renowned hotels, education and automotive showrooms all set within a beautifully landscaped and tranquil environment.

Orascom JV Carillion Scope of Work
 1- A super-regional shopping mall with 160,000 sq. m gross leasable area (GLA). Scheduled to open in Q4 2013, it will feature over 300 shops and services and 95 restaurants and cafes anchored by a 10,755 sq. m hypermarket (Carrefour) and furniture flagship store IKEA with 32,047 sq. m of GLA, two department stores (Marks & Spencer and Debenhams), and a 16-screen Cineplex, all served by over 6,500 parking .

2- Mall Restaurant : 15,000 sq. m indoor-outdoor entertainment hub connected to Cairo Festival City Mall that provides lifestyle, shopping, entertainment and dining facilities

3- Kidzania & Cinemas area





The challenge

- The main aim for this project is providing properties that are: of superior quality, financed, finished, furnished, serviced, managed .
- This was the first Project in Egypt with Orascom that will work under LEED NC
- Need hygienic & Anti-Fungus sealants in all wet areas with excellent water proofing System .
- Need Excellent Water Proofing (Cementitious & Bitumen) Product for all wet areas (Internal & External Fountain)
- Need high Quality adhesive as it contain some of the Natural Stones submerged or adhere to steel stairs

Our solution

1- Using Tilling System :

By Using Master Builders Solutions Tilling System MasterTile 30 Combinerd with MasterTile A 200 + painting the face of the Natural stones with MasterSeal 328 , Also used MasterTile 30 for adhesion for all Ceramics in Toilets .

2- For Waterproofing system

Using two Different types of Master Builders Solutions Water Proofing : A damp Proofing System using our Product MasterSeal 622 for all Foundations and a Cementatious Proofing System which is the MasterSeal 501 and MasterSeal 599

3- For Mortar Additives :

Using Master Builders Solutions Products Rheomix 141 which is SBR that gives a high Bond Strength & Rheomix 720 which is a Powder Plasticizer that gave a high Workability & increase in Mortar Volume through an air molecules to the Mortar .

4- For Repair System :

Using the Emaco Range (MasterEmaco N303 which is a fairing Cosmetic Fairing Coat that repairs the tolerance , pin holes for any Concrete within 2-5mm) & (MasterEmaco S488 which is a Non-Shrinkage , thixotropic repair mortar , fiber polymer modified that possess excellent bond characteristics to steel reinforcement and to concrete. that subject to a repetitive Loading.

5- Epoxy & Cementitious Grout :

Using the Master Builders Solutions Epoxy Grout Mainly for grouting between the PVC & Openings , also using Cementitious Grout for closing all Small opening if needed after casting concrete

6- Epoxy Repairing :

By Using Epoxy Repair mortar like : MasterBrace ADH 2200 and MasterTop 1240 for any damage area or cracks or even tolerance at the floor level



Customers Benefit

The Client was satisfied with the performance of Master Builders Solutions products, as per the many contractors work in the project the main common item with them is using Master Builders Solutions product in all ranges and Specially for our Sealant polyurethane, Cementitious Water Proofing & Epoxy Repair Products.

We applied our Product MasterSeal 328 which is a water repellent on the internal & External Natural stones for the whole of the building due to it's effective protection even in driving rain, Efflorescence prevention & Protection against de-icing salts.

Project used Material & Quantity :

- MasterFinish 202 (5 Tons)
- MasterSeal 622 (20 Tons)
- MasterCast 141 (10 Tons)
- MasterEmaco S 466 (60 Tons)
- MasterSeal NP1 (6000 Sausages)
- MasterFlex 472 (1500 Sausages)
- Sonolastic NP2 (80 Pails)
- MasterFlow 980 (40 Tons)
- MasterFlow 928 (50 Tons)
- MasterFlow 648 (5 Tons)
- MasterFlex 910 (100 Rolls)
- MasterBrace ADH 2200 (4 Tons)
- MasterTop 1240 (9 Tons)
- MasterSeal 599 (5 Tons)
- MasterSeal 328 (1 Ton)
- MasterSeal 501 (6 Tons)

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 for the Mall , Kidzania , IKEA & Parking Areas



MBS Construction Chemicals Egypt (S.A.E), Business Park A, Building A1, Cairo Festival City,
Ring Road, New Cairo, Egypt
Hotline: 15560, Phone: +202 2128 7800, Fax: +202 2128 7801
Website: <https://www.master-builders-solutions.com/en-eg>

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