

**Project:**

New Giza

**Location:**

Giza Egypt

**Project completion:**

Ongoing

**Owner/s:**

New Giza

**Applicator/Contractor:**

New Delta Vision - Alfa Proof -  
Al-Safaa & Al-Dawlia

**Concrete Producer**

Al-Alameya & Al-Andalus

**Civil Consultant:**

Dr. Ashaaf Zanati

**Market sector:**

Residential

**Products used:**

- MasterSeal 681  
(20,000 Tons)
- . MasterKure 102  
(10 Tons)
- . MasterCast 140  
(2 Tons)
- . MasterSeal 599  
(100 Tons)
- . MasterEmaco S466  
(30 Tons)
- MasterSealNP1  
(1000 Sausage)
- . MasterSeal NP2  
(1135 Ltr)
- . Master Seal 910  
(200 L.M)

## New Giza



### Description of the Project

More than 20 million square meters, located in highest area in Giza, more than 300 residential building, with a luxury land scape, with full facilities available, New Giza Club & water treatment planet.

New Giza is Giza's future.

### The Challenge

- Lack of water supplying in project.
- Durability of water proofing system in water Tanks.
- Difficulties in applying Bituminous water proofing systems used in Retaining walls, due to its height (4.2m), with protection boards.
- Special details for pipes penetration retaining walls
- High vibration all around finished units to heavy digging equipment



## Retaining Walls Waterproofing with Special Treatment for Pipe Penetration



### The Solution

- Applying MasterSeal 599 (elastomeric cementations water proofing), instead of bituminous membrane.
- Applying MasterSeal 910 in pipe penetrations and using Master Flow 980 for grouting and MBRACE ADH 1414MS as a bonding material.
- Applying our polyurethane sealant MasterSeal NP1 for joints for all construction joints & in all wet areas.
- Using MasterEmaco S466 in repair around all drainage system used in Playground, as a filling material
- Applying damp proofing for all the foundations with our product Master Seal 481.
- Using our curing compound MasterKure 102 by spraying it on all concrete structure after removal the shuttering instead of high cost of water usage

### The Customers Benefit

Cost saving in items of water proofing with gaining highest technical properties, for not using all brick walls protection, and start activity of backfilling immediately after water proofing coats, however, UV resistance for MASTER BUILDERS SOLUTIONS material, gave customers enough time to start backfilling



### Project facts at a glance

- Cost saving.
- Time saving.
- High elongation for vibration resistance.
- High abrasion resistance
- Easy to inspect by using white color on concrete Surface
- MASTER BUILDERS SOLUTIONS provided the technical and after salesSupport
- MASTER BUILDERS SOLUTIONS provided the total solution for the client

### 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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