

**Project:**  
Ain Shams Specialized Hospital

**Location:**  
Cairo, Egypt

**Project completed:**  
December 2020

**Owner/s:**  
Ain Shams University

**Applicator/Contractor:**  
ABuild

**Designer/Architect/Specifier:**  
TCB

**Market sector:**  
Healthcare

**Products used:**  
MasterSeal 745  
MasterProtect 300

## Ain Shams Specialized Hospital

Ain Shams University



Our reference in Cairo (Egypt): Ain Shams Specialized Hospital

### The background

Ain Shams Specialized Hospital was built in 1984 and was intended to be the biggest University Hospital in the Middle East. The hospital spans on more than 15,000 sqm, and over 10 buildings in total. This project was part of the National project of total renovation of the Universities Hospital nationwide. We were able to specify the Standard Roofing System with the consultant, as a durable roofing solution for the buildings of the Hospital, to ensure the maximum protection for the patients, buildings of the hospital and the valuable equipment in the hospital.

### The challenge

The original roof was built in 1984, with layers of bituminous membrane, foam for thermal insulation, and loosely laid gravel used for protection.

The first challenge was the weight of the new system. We had to work extensively, along with the consultant, to ensure that the weight doesn't exceed the weight for which the project was originally designed.

The second challenge was the weather conditions. Work started in winter, with 3 heavy rainstorms this year. Work had to start and end for every building before the beginning of each storm, to ensure the safety of the buildings and the equipment inside.



## Ain Shams Specialized Hospital Ain Shams University



Our reference in Cairo (Egypt): Ain Shams Hospital

### Our solution

Standard Roofing System including the following layers,  
MasterSeal 745 SPF – Polyurethane Foam  
MasterProtect 300 – Acrylic Coating  
Durable and Integrated Roofing Solution, offering very highly efficient thermal insulation and waterproofing.

### The customer's benefit

- Durable Solution with longer service life than traditional solutions
- Highly efficient thermal insulation
- Impermeable system with 2 layers of waterproofing
- 30% less energy consumption
- Fast application
- Easily repaired in case of any damages in the future

### Projects facts at a glance

- 15 different buildings
- Total area of 10,000 sqm
- Hospital is considered one of the biggest University Hospital in the Middle East. It was built in 1984.

### 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:

[www.master-builders-solutions.com.eg](http://www.master-builders-solutions.com.eg)

® registered trademark of a MBCC Group member in many countries of the world

