

**Project:**

Coventry University

**Location:**

Knowledge Hub in New Capital

**Project completed:**

Phase 1 to be opened  
September 2019

**Owner/s:**

El Sewedy

**Applicator/Contractor:**

ITC

**Designer/Architect/Specifier:**

RMC

**Market sector:**

Educational

**Products used:**

MasterSeal 745 SPF  
MasterProtect 300  
MasterSeal 550

## Coventry University Knowledge Hub in New Capital



Our reference in New Capital (Egypt): El Sewedy University

### The background

The roofing system of this project was specified using traditional system for both, thermal insulation and waterproofing.

Traditional system includes Extruded Polystyrene Foam for thermal insulation, followed by cementitious screed for protection, and then Bituminous Torch Applied Membrane for waterproofing.

Master Builders Solutions team was able to convert the traditional system to Master Builders Solutions's Standard Roofing System, which offers an integrated complete solution for the thermal insulation and waterproofing of the roofs.

### The challenge

The contractor and the owner needed a solution for the waterproofing and thermal insulation. The solution had to be effective, fast and durable.

Master Builders Solutions team assigned an applicator, and made a site inspection, and recommended the suitable solution for the roofs, which is the Standard Roofing System. This system consists of Polyurethane foam for the thermal insulation, and Acrylic based elastomeric coating for waterproofing.



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### Our solution

Master Builders Solutions offered the following layers, as a complete, integrated roofing solution, for thermal insulation and waterproofing

- MasterSeal 745 SPF – Spray Applied Polyurethane Foam
- MasterProtect 300 – Acrylic based elastomeric coating
- Geotextile + Screed for protection (Not provided by Master Builders Solutions)
- MasterSeal 550 – Acrylic Reinforced Cementitious Waterproofing

### The customer's benefit

- Energy Saving.
- Faster and easier application that leads to a crashed time schedule for the project.
- Easier repair process in case of damage in the roofing system.
- Durable roofing system that doesn't disintegrate by time.
- Lower cost over the lifetime of the structure.
- Highest efficiency, for both the thermal insulation and the waterproofing aspects.

### Projects facts at a glance

- Total Built Up area – 10,000 sqm.
- Project is in the Knowledge Hub in the New Administrative Capital City.
- Owner is El Sewedy Education.
- First phase of the project will be operating in the Fall of the academic year 2019/2020.

### Master Builders Solutions by MBCC Group

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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.

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