



# CASE STUDY



## Overview

The project aims to provide medical care to the members of the Royal Oman Police and their families. The project includes a general hospital with a built-up area of 90,000 sq.m comprising the main hospital and 20 auxiliary buildings designed to accommodate 400 beds in the first phase and expandable to 600 beds in the future.

The designers of the project wanted to make this project Energy efficient. EIFS system conserve energy and lower costs, the exterior layer of insulation in EIFS reduces the loss of heat and air conditioning. EIFS acts as a blanket wrapped over a building by insulating it from the outside, thus providing superior thermal insulation and reduced energy costs. Compared to traditional insulating systems, EIFS allows complete insulation of the building. In addition to these obvious energy saving benefits, EIFS is an excellent choice for people looking for durability and design freedom.

## Project Details

**Area :** 82,000 m<sup>2</sup>.

**System :** EIFS Senergy System by Master Builder Solutions.

**Client :** Royal Oman Police

**Consultant :** Option One

**Contractor :** OSCO - SPML JV

External Insulation System



## Challenges

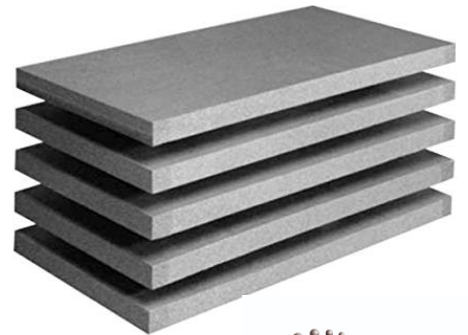
This was the biggest project of EIFS in Oman. We had to allocate all our resources and equipment's to stay on project schedule.



The insulation used on this project was Neopor. This is a material patented and manufactured by BASF. Composed of small grey beads of polystyrene granules containing a blowing agent, which makes it expandable, these beads are manufactured into insulation.

Neopor works in the very same way as traditional insulation, with one major difference -- high-purity graphite particles infused into the cell structure give Neopor a reflective property and a distinctive dark gray color.

As radiant heat moves through Neopor insulation, it reflects it hundreds of times, significantly slowing down the transfer of heat and making it more energy efficient.



## Support from Manufacturer

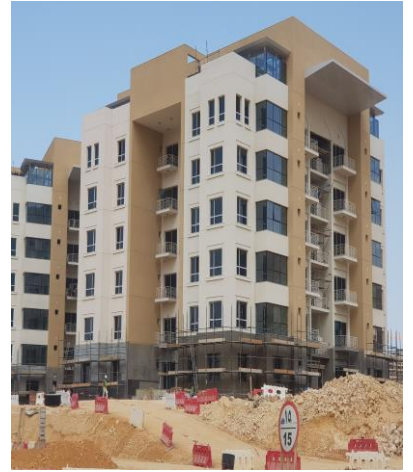
Master Builder Solutions was the supplier of the EIFS system. They were also involved in providing site assistance, technical discussions with contractor / consultant and also in providing training to all our staff working at site. All working on site were certified by Master Builder Solutions. The material delivery was on time and were quick to resolve any technical issues at site.







## Photos



## Conclusion

Successful completion of the project on time and have a happy client and consultant was our main achievement. We establisher ourself as a quality EIFS applicator in Oman and this led to various other prestigious project with EIFS system. We also establisher our self as the preferred applicators of EIFS systems with Master Builder Solutions.

We could partner with you on any of your upcoming EIFS project. Contact details are given below.

## System

