



CASE STUDY



Overview

Mall of Oman, the country's largest shopping destination, that opened in September 2021.

AECOM provided lead consultancy services for the monumental Mall of Oman project, the sultanate's inaugural mega-mall. Majid Al Futtaim's biggest lifestyle destination in the sultanate will comprise 145,000 square meters of retail space, dining outlets and a range of lifestyle experiences.

Mall of Oman is LEED Platinum rated (USGBC) making it the largest building in Oman and the country's first major retail project to obtain this prestigious accreditation. This project has many proven ecological benefits and has the interests of the community at its core. The sustainability implementation plan went above and beyond to not only secure the LEED Platinum rating but ensuring the health and wellbeing of the local community and those who will visit the asset.

Project Details

Area : 54,000 m2.

System : EIFS Senergy System by Master Builder Solutions.

Client : Majid Al Futtaim

Consultant : AECOM

Contractor : SPML – CCC JV

External Insulation System

One of the main contributor to the LEED requirement was the external cladding (EIFS) designed for the Mall of Oman. An external wall insulation system (or EIFS) is a thermally insulated, protective, decorative exterior cladding procedure involving the use of expanded polystyrene or mineral wool, topped off with a reinforced cement based, mineral or synthetic finish.



Challenges

Had to work on changing the specified product of the project. Had number of meetings with contractor and consultant to get approvals for our proposed system. The system proposed had to meet all the properties and requirements of the designer and LEED.

- 1** **Change Specified Product**
As the product proposed was different than the specified product lot of efforts were put in to get product approval.
- 2** **Carry out mockup works at site**
Client had requested to carry out samples to see the finish quality and our capability to provide the finish they need.
- 3** **Colors and texture**
Client had a set of colours finalized for the project. We had to work with the manufacturer to match the final system to the colours proposed

Results



Solutions

Cutting of the Rockwool as per the site requirement was a real problem. As Rockwool is made up of fibbers cutting was not easy. To resolve this issue a new machine was purchased and installed at site to cut rockwool to the desired shape and thickness.



External Wall Insulation Systems are made up of several layers, which provide the thermal performance and aesthetic qualities required when insulating a building. For the first layer, choose from our range of high-performance insulation panels. These can be enhanced EPS or mineral fiber to meet your thermal requirements. The middle layers are then a combination of base-coat and mesh which give the system strength and impact resistance. To complete the system, choose any finish from the range provided by the manufacturer.



Photos



Conclusion

Mall of Oman will transform the commercial landscape of Oman’s capital. The super-regional mall combines a selection of curated stores that bring the best in retail, leisure, entertainment and dining along with a variety of seamless services. It is also strategically located within Muscat’s center making it the focal point of the city.

We feel proud to be associated with the construction of the project and be appreciated by the Client and the Contractor for completing of the works assigned to us in time and meeting their requirements and expectation.

System

