

Project:

Third Saudi Expansion Of The Holy Haram Makkah And Surrounding Areas, Expansion Building, Piazza & Mataf

Location:

Makkah

Project completed:

2020

Owner/s:

The General Presidency for the affairs of the Grand Mosque and the Prophet's Mosque

Applicator/Contractor:

Saudi Bin Laden Group (SBG)

Designer/Architect/Specifier:

Dar AL Handasah

Market sector:

Mosque & public buildings

Products used & amounts:

MasterGlenium SKY 504S

MasterGlenium Sky 506

MasterRheobuild 858M

MasterPozzolith RMC4M

MasterSeal Range

MasterEmaco Range

MasterFlow Range

MasterTop Range

Wabo Range

MasterProtect Range

MasterKure Range

MasterBrace Range

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Our reference in Makkah, Western Region (Kingdom of Saudi Arabia): Holy Haram
Picture Source: Google Maps.

The background

The largest expansion for Holy Makkah Haram, project started in 2010, and expected to finish in 2020, it designed to have capacity of million Prayers.

Concrete quantity poured more than two million cubic meters.

This project can be considered as the largest project worldwide based on budget (200 billion Saudi Riyal up to date) and capacity which designed to accommodate by 1 million prayer in the same time with all required utilities and facilities.

The challenge

- Limited Time frame during the year due to Hajj and Ramadan Seasons.
- Project Requirements- High performance concrete and finishing.
- Geographic and environment challenge in Makkah.
- Design & build project

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Our reference in western province (Kingdom of Saudi Arabia): Holy Haram 3rd Expansion
Picture Source: construction site

Our solution

- High performance admixtures & MasterGlenium range (MasterGlenium Sky 504S, MasterGlenium SKY 506, MasterRheobuild 858M & MasterPozzolith RMC4M) due to the requirements of the project (High flowability and pumpability of concrete. in addition to the high compressive strength concrete.
- Specify & supply along with the designer and our applicator partners over there the full waterproofing system for Basement, sub-basement, ground floor , wet areas & roofs using most of our cementitious , polyurethane & TPO systems.
- Using our WABO Expansion Joints which can be considered as iconic job reference globally.
- We supply the whole flooring and protection systems for Basement and Sub basement by using Epoxy and Polyurethane systems.

The customer's benefit

- An on-site technical assistance and training were provided to ensure the proper application of the proposed systems.
- High performance systems which meet the consultant, contractor and client requirements.
- Work closely with designers as one team to specify the required systems & solutions as per project requirements.
- Swift reply and supply to all urgent calls & requests which is essential in such mega and rush project.

Projects facts at a glance

- Largest project worldwide in last 10 years.
- Highest project Budgets, 200 Billion SR up to date.
- Over 250 million SR sales of BASF products.
- We have more than 55 products approved till to date which represent most of our system locally.

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-sa>