

Project:

King Abdul Aziz Int Airport

Location:

Jeddah, Saudi Arabia

Project completed:

2019

Owner/s:

General Authority of Civil Aviation

Applicator/Contractor:

Saudi Bin Laden Group (SBG)

Designer/Architect/Specifier:

Atkins

Market sector:

Airport

Products used & amounts:

Master Glenium 111.

Master Glenium Sky 506.

Master Air 100

Master Rheobuild 858M

Master Rheobuild 850

Master Pozzolith RMC4M.

Master Fiber 012.

Master Life WP 730.

Wabo Range

MasterEmaco Range

MasterTop Range

MasterSeal Range

MasterFlow Range

MasterProtect Range

MasterKure Range

MasterBrace Range

King Abdul Aziz International Airport (KAIA)



The background

- The first major airport in the Middle East encompassed three million square meters, one of the largest and most complex in the world at the time.
- The KAIA Project will be a landmark economic development for the region and the nation, capitalizing on the Kingdom's ambitious growth plans and the Authority's efforts for Saudi Arabia to enhance the status of Jeddah as an international hub.

The challenge

- High project requirements.
- Rush project.
- High competition level.
- Number of Sub contractors

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King Abdul Aziz International Airport (KAIA)



Our solution

- High performance admixtures (Master Glenium Range, Master Rheobuild Range, others) due to the requirements of the project (High flowability and pumpability of concrete. in addition to the high compressive strength concrete.
- Full system of Wabo Range which include the bearing pads and expansion joints systems with all required accessories for the all interchanges and main entrance of the airport.
- Innovation solution of flooring systems for VIP carpark, multi-story carpark, and service areas.
- Supporting the infra structure scope with our MasterEmaco and MasterSeal 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.
- Support the client to achieve the project's time line by deliver the material on time.

Projects facts at a glance

- Over Four Million cubic meter of concrete poured.
- More than 250 Million SR sales of Master Builders Solutions products.
- One source of Admixture.
- The biggest bearing pads world wide

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>