

Project:

King Abdul Aziz International 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:

WS Atkins

Market sector:

Transportation: Airport

Products used & amounts:

MasterGlenium 111.
MasterGlenium Sky 506.
MasterAir 100
MasterRheobuild 858M
MasterRheobuild 850
MasterPozzolith RMC4M.
MasterFiber 012.
MasterLife WP 730.
WABO Range
MasterEmaco Range
MasterTop Range
MasterSeal Range
MasterFlow Range
MasterProtect Range
MasterKure Range
MasterBrace Range

King Abdul Aziz International Airport (KAIA)



Our reference in western province (Kingdom of Saudi Arabia): King Abdul Aziz International Airport
Picture Source: Google Maps.

The background

One of the largest and most complex airport projects in the world at the time, encompassing three million square meters which is considered as the 1st mega airport project in Middle East.

The KAIA Project will be a landmark of 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

- Very demanding performance requirements.
- Tight project schedules
- High competition level.
- Large number of sub contactors
- Must meet LEED Requirements

Contact:

Saudi BASF for Building Materials Co., Ltd.
Tel: +966 13 853 8600
Fax: +966 13 812 1822
P. O. Box 1884, Al-Khobar 31952, Kingdom of Saudi Arabia

King Abdul Aziz International Airport (KAIA)



Our reference in western province (Kingdom of Saudi Arabia): KAIA
Picture Source: construction site.

Our solution

- High performance admixtures (MasterGlenium and, MasterRheobuild Ranges) provided high flowability and excellent pumpability of concrete, while at all times achieving the high design compressive strength of the concrete.
- Full system of WABO Range which include the bearing pads and expansion joints systems and all required accessories for the all interchanges and main entrance of the airport.
- Integrated solution of flooring systems for VIP carpark, multi-story carpark, and service areas.
- MasterEmaco and MasterSeal systems for concrete repair protection and high performance waterproofing ensuring design life concerns are achieved.

The customer's benefit

- On-site technical assistance and training were provided to ensure the proper application of all the proposed systems.
- Consistent, high performing systems which meet the consultant, contractor and client requirements supported by third party laboratory and on-site testing.
- Support for the client to achieve the project's time line by providing a robust and reliable materials supply and delivery.

Projects facts at a glance

- Over 4,000,000 cubic meter of concrete poured.
- Single source of concrete admixture.
- The largest WABO bearing pads order world wide

Master Builders Solutions from BASF

The Master Builders Solutions brand expresses BASF'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 BASF construction experts, who connect with you to solve all of your construction challenges.

Further information is available at:
www.master-builders-solutions.sa