

Project:
Radisson Blu Hotel
Renovation

Location:
Kuwait

Project completed:
2013

Owner/s:
Rezidor Hotel Group

Applicator / Contractor:
Wara Contracting

Designer/Engineer:
SSHI

Market sector:
Hospitality

Products used:
MasterBrace® ADH 1414
MasterBrace® ADH 2200
MasterEmaco® 8100AP
MasterEmaco® N907
MasterEmaco® S443
MasterSeal® 915
MasterTile® RSG 705
MasterTop® 500
MasterTop® 528
MasterTop® 548

Radisson Blu Hotel, Kuwait

Complete Solutions for a Luxurious Finish



The background

Radisson Blu Hotel in Kuwait is part of the Rezidor Hotel Group which currently owns 430 hotels in operation and under development worldwide.

The hotel was built in 1980 leading to a development and refurbishment plan for the hotel's lobby, rooms and some of the restaurants. Radisson Blu Kuwait reopened at the end of 2013.

The challenge

This first class hotel required a quality finish to a very high standard and needed to be completed within a concise time frame. The 25 years old structure core tests on the hotel shear walls and basement columns showed that the structure needed to be either structurally strengthened/repaired or demolished.

The main concern in the refurbishment of floor is the low application thickness than what is recommended in the building standards. Various build up heights were required for floor finishes including carpet, parquet and marble tiles. High temperature during the application was also a major concern posing risk of screed dehydration and cracks..

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Our solution

Master Builders Solutions offered the solution of strengthening the basement columns by jacketing using MasterEmaco® S443. MasterBrace® ADH 1414 was used as the bonding agent. The steel cages were protected with MasterEmaco® 8100AP. For shear walls, stainless steel plates were imbedded using the resin of MasterSeal® 915 or MasterBrace® ADH 2200 depending on the thicknesses required. Shear walls were repaired and made level by using MasterEmaco® N907 with anti-carbonation properties.

MasterTop® 548 and MasterTop® 500 were used for screeding and leveling in areas where traditional screed could not meet the low thickness requirements. To level the floor, MasterTop® 528 was applied on top of MasterTop® 548. MasterTop® 528 was also used in other areas where the requirement was for an underlayment thickness of up to 5mm.

Efficient watering of the substrate and covering of the screeds with plastic sheets directly after application ensured sufficient hydration (strength) for low application thickness and temperature conditions.

MasterTile® RSG 705 was used as a tile grout in the cold room, kitchens and food areas due to its durability, hygienic characteristics and resistance to low temperatures.

The customer's benefit

- The Contractor was grateful to the Master Builders Solutions for contributing in meeting the time frame set by the owner despite the critical site conditions.
- They recognized the high quality of Master Builders Solutions products, even if some of them used for the first time in their project.
- The continuous support provided by Master Builders Solutions gained confidence and build strong relationship with the customer.

Projects facts at a glance

- Master Builders Solutions contributed in saving cost and time by offering repair and strengthening solutions rather than demolishing the structure.
- Master Builders Solutions specified the concrete repair materials with SSH Consultant.
- Master Builders Solutions also provided technical support: Technical Services Department to oversee the right application and guide the subcontractor during the first application of the screed. Also during application and after sales support was ensured, which was an advantage to other companies.
- Master Builders Solutions provided a single source supplier solution.

Master Builders Solutions

The Master Builders Solutions brand brings all of expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry.

The know-how and experience of a global community of construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve specific construction challenges. We collaborate across areas of expertise and regions and draw on the experience gained from countless construction projects worldwide. We at Master Builders Solutions leverage global technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make more successful and drive sustainable construction.

Further information is available at:
www.master-builders-solutions.com/en-ae