

Project:

Kima Aswan Amonia Factory

Location:

Aswan - Egypt

Project completed:

95%

Owner/s:

Kima Aswan company

Applicator/Contractor:

Orascom main contractor Somie Applicator for waterproofing and flooring

Designer/Architect/Specifier:

Enppi / Technomont

Market sector:

Industrial projects - Petrochemicals

Products used:

MasterRheobuild 850 (300k Ltr)
 MasterSeal 470 GG (8000 Ltr)
 MasterFlow 980 (410 tons)
 MasterFlow 928 (26 tons)
 MasterFlow 544 (60 tons)
 MasterFlow 648 (85 tons)
 MasterEmaco N 303 (1 ton)
 MasterTile RSG 705 Red (3 tons)
 MasterSeal 550 (9 tons)
 MasterBrace ADH 2200 (4 tons)
 MasterSeal 521 (21 tons)
 MasterBrace ADH 1414 (2 tons)
 MasterSeal 940 C-32 & E-32
 MasterSeal 930
 MasterCast 141
 MasterKure 101
 MasterEmaco S-488

Kima Aswan Plant



The background

The Egyptian Chemical Industries, known as KIMA, is affiliated to the Chemical Industries Holding Company, producing nitrogenous fertilizers and chemicals, including hydrogen and ammonia.

KIMA has been listed on the Egyptian Exchange since August 1995 and operates within the materials sector, focusing on diversified chemicals.

It has two subsidiaries in Egypt working on agricultural products and diversified chemicals. KIMA is based in Aswan and was established in January 1956.

KIMA new plant is a facility for fertilizer manufacturing that is being built at the existing site of the company's Aswan fertilizer complex at a cost of LE 11.6 billion

The challenge

- As the project in Aswan (Located 1000 Km from Cairo) our big challenge was to deliver the specified materials in time as it was a fast track project

- The importance and nature of this project as there are a variety from chemical material need to be specify correctly from grout and repair to waterproofing and protection , we were following this project closely from the Beginning by submitting the right material , to follow the application of the materials used by site visits



Kima Aswan Plant



Our solution

We introduced our different solutions from concrete admixtures - repair and grout – bonding agents - waterproofing and protection – Sealant – Epoxy flooring coating

For the grouting and repair , MasterFlow 648 was specified for the high pressure pumps and generators

MasterFlow 980 was specified for bedding and grouting under steel structures and machines

MasterSeal 470 GG was specified for the floor – in all joints because of its capability to resist the different chemicals

The customer's benefit (max. 800 characters)

- Technical support was presented when it was needed
- Fast delivery time according to the project schedule
- Availability of all products
- Presenting Master Builders Solutions solutions for different construction stages

Projects facts at a glance (max. 800 characters)

- Plant area : 150 ,000 m²
- Production from the facility is expected to reach 1,200 tons of ammonia and 1,600 tons of urea per day
- Includes water intakes on the Nile with a capacity of 24,000 m³/ day, a 500 mm conveyor line with a length of 5 km, strategic storage basins with a capacity of 8,000 m³.

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:

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