

Project:

Azizia sewage treatment plant

Location:

Alkhuber

Project completed:

2021

Owner/s:

Ministry of Environment, Water and Agriculture

Applicator/Contractor:

ABSAR

Market sector:

Oil & Gas

Products used & amounts:

MasterSeal M689

MasterSeal 150 K

Azizia sewage treatment plant tanks



Our reference in Alkhuber (KSA): Azizia sewage treatment plant

The background

This project focuses on the importance of pollution control systems for a cleaner and better environment. Where Azizia sewage treatment plant tanks located at Al Khobar, Saudi Arabia. The Contracting and Industrial Investment estimated cost at \$71.47 M.

A three-year contract to build the plant. The break down duration of the project is two years for design & build in addition to one year for operation & maintenance.

Scope of work includes design, procurement and supply of equipment, installation, supervision, and commissioning of the plant process and related electromechanical works.

The challenge

During the initial stage of the project the contractor notice a leak of Methane gas during the testing phase.

- The Methane gas is considered as flammable gas
- Leakage is from two tanks
- High of the tanks is more than 30LM
- Risk of entering the tanks where it is filled with sludge

The contractor had failed to resolve the issue from multiple proposals where the case was complicated

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Our solution

With the expert team and with the collaboration between our departments, **Master Seal M 689** is a high elastic, ultra-fast curing, spray applied 100% polyurea membrane for use in waterproofing applications is the most efficient solution for quickly waterproofing surfaces exposed to harsh mechanical and chemical conditions. It sets in a few seconds and hardens fully for a return to service after just two hours

We have successfully applied the material and fully sealed the tanks from chemical and gas leakage.

The customer's benefit

- Fast solution
- Save time and Money
- Environment protection
- High quality solution.

Projects facts at a glance

- The plant already started to work safely
- Warranty for the work from the contractor 10 years

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>