

Extension For Sedi Kerir Power Plant (750 MegaWatt)

Project:

Extension of Sedi Kerir- Power Plant

Location:

Sedi- Kerir (Alexandria)

Project completion: (2009)

Owner/s:

West Delta Electricity production Company

Contractor:

Orascom Construction Industries
Jv Besix Abuild)

Applicator :

Abuild - ThyssenKrupp

Concrete Producer :

Ready mix Egypt

Civil Consultant:

PEGESCO

Market sector:

Industrial

Products /System

used:

. Epoxy for Uploaded Area :
MasterTop 1200iM
Quantities : 2 Tons

MasterTop 1175
Quantities : 6 Tons



Grouting :

. MasterFlow 928
Quantities : 20 Tons

. MasterFlow 410
Quantities : 5 Tons

Tilling :

. MasterTile 550M
Quantities : 10 Tons

. MasterTile 30M
Quantities : 20 Tons

Repairing :

. EMACO S-88
Quantities : 30 Tons

. EMACO R303
Quantities : 20 Tons

Bonding Agents Products :

. Concrevice 1414MS
Quantities : 2 Tons

.Concrevice 1418
Quantities : 2 Tons

.Rheomix 141
Quantities : 10,000 Litres

Description of the Project

. Construction work on new 2 x 250 MW Combustion Turbine Generators and 1 x 250 MW Steam Turbine Generator located in Sidi Krir, Alexandria, Egypt .

. Primary Fuel : Natural Fuel & Secondary Fuel : Heavy Fuel oil

The Challenge

- 10,000 m2 area need to be protected with an epoxy System with notice that the floor tolerance reaches 0.5 cm /m2 .
- 2.5 m3 Epoxy Grout under the rail way lines that had a dynamic Heavy load
- 5,000m2 Sornaga bricks need to be adhered with anti acid mortar
- 5,000m2 walls need a fairing Cosmetic cementious for fence walls



Proofing for Manholes & Foundations with Bitumen Cold applied Product (MasterSeal 422)



The Solution

- . Using Our Product MasterTile 1200iM & MasterTop 1175 which are a Epoxy solvent-Free , high build protective Coating .
- . Applying our Polyurethane Sealant Sonolastic NP1 for Joints for all Construction joints in the STG Areas
- . Applying Epoxy Tile (Sornaga) Adhesive MasterTile 550M which is an epoxy mortar for bedding and grouting .
- . Applying Damp proofing for all the foundations with our product MasterSeal 422 .
- . Applying Cementitious grouting MasterFlow 928M which is a non-Shrinkage , free flowing high strength Grout which is used under all base plates inside the Turbine Area.

The Customers Benefit

The Client was satisfied with the performance of MASTER BUILDERS SOLUTIONS products, the implementation, follow up and especially with the epoxy Grouting under the rail way & under the pockets in the Pump Rooms .

- . High Chemical resistance & Very Easy Maintenance housekeeping for floors

Project facts at a glance:

- Hygienic and safe for all epoxy Floors
- Easy to clean
- High mechanical strength
- Impact and abrasion resistant
- Good chemical resistance
- Bonding Strength for all tile adhesive
- Non tainting
- MASTER BUILDERS SOLUTIONS provided the technical and after sales support
- MASTER BUILDERS SOLUTIONS provided the total solution for the client

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-eg>

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