

SIKA AT WORK

CAIRO METRO LINE 3 PHASE 2 STATIONS

REFURBISHMENT : Sika Lasqa® , Sika Tile Grout®

BUILDING TRUST



CAIRO METRO LINE 3 PHASE 2 STATIONS

PROJECT DESCRIPTION

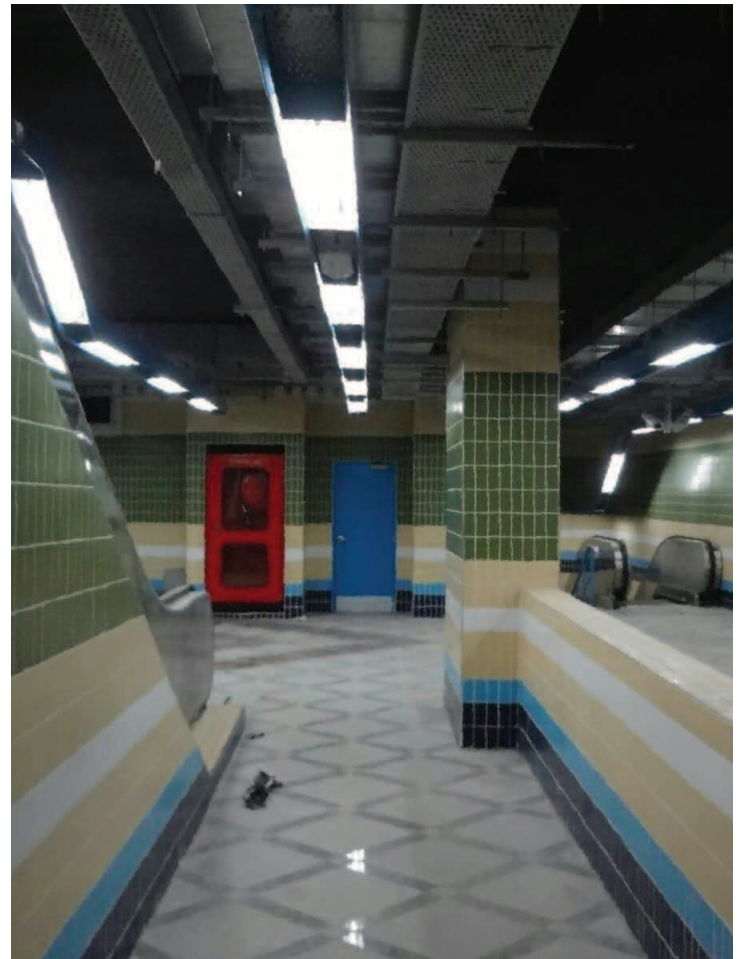
Cairo Metro Line 3 is a main line of the Cairo Metro mass transit system in Greater Cairo, Egypt. Currently, the line connects Attaba in East-central Cairo with Abbasia and Heliopolis to the Northeast. The line will eventually extend from the Northwest of the Greater Cairo area at Imbaba to the Northeast serving Cairo International Airport. The line will cross the River Nile twice at the Western branch between Kit-Kat and Zamalek and the Eastern branch between Zamalek and Downtown Cairo. The total length of the line will be approximately 30.6 km which will be implemented in four phases. Phase 2 Consist of four main underground stations which are (Fair Zone, Cairo Stadium, Koleyat EL Banat, and Al Ahram Stations). The civil engineering contract for Phase 2, worth €323 million, calls for building a 7.2 km section of tunnel and four underground stations.

PROJECT REQUIREMENTS

- It is required to clad all walls inside the Metro Stations with Ceramic Tiles of small to medium sizes which leads to a lot of joints that will be covered with tile grout with aesthetic appealing through high performance and bonding system with no tolerance for joints cracking or ceramic detach.

SPECIAL REQUIREMENTS

- As it's a national pride project there is a lot of Ceramic Wall Tableaus to reflect the location or/and the name of the underground station which needs strong bonding, durable and easy applied materials with consistent tile grout color to help the Ceramic applicators to execute the desirable artistic tableaus.



Sika Solution:

Project was Completed by Sika Egypt well-known Tiling System (Sika Lasqa® and Sika Tile Grout®), for its good bonding adhesion (approx. 1.5 N/mm²), High Performance and Better Workability than the Conventional mortars which are not suitable for such kind of projects.

- **Sika Lasqa:** is a single component, pre-packed tiling adhesive mortar combining cement with selected grades of silica sand and several admixtures. Only requires addition of water.

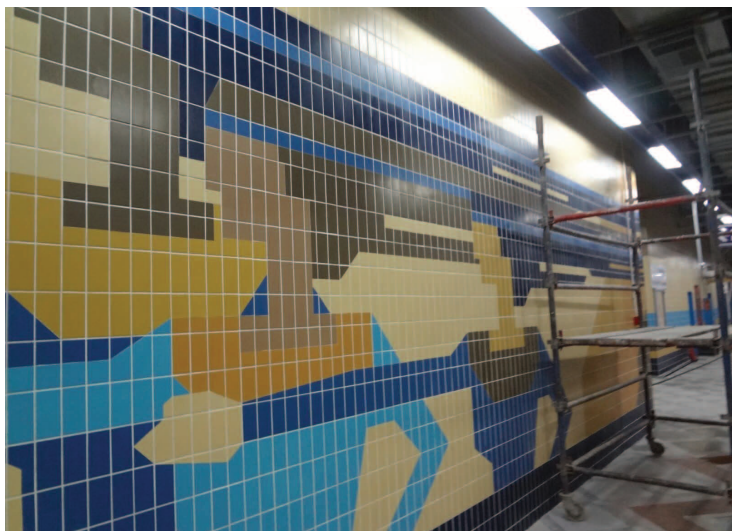
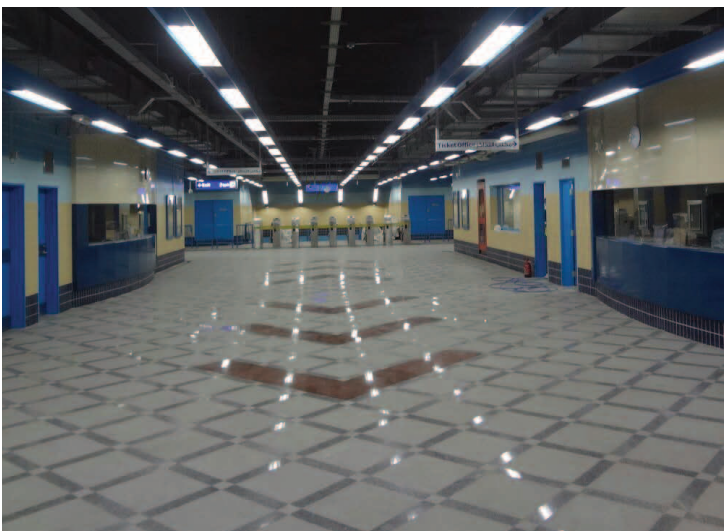
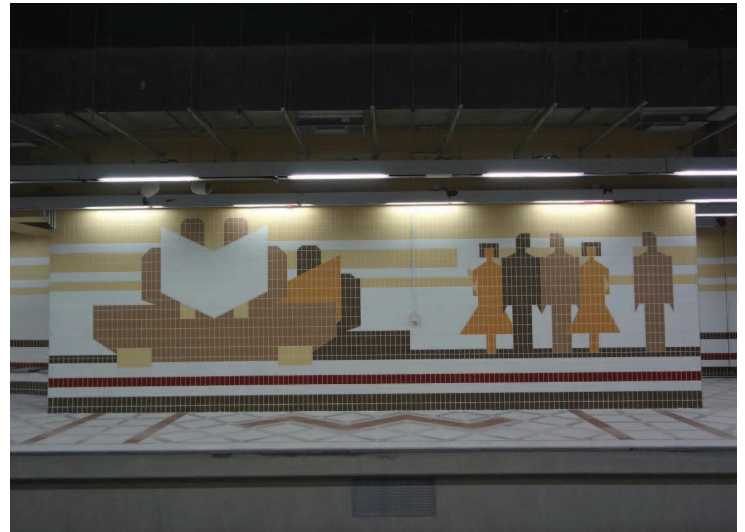
- **Sika Tile Grout:** is a fine powder, which requires only the addition of water to produce a smooth paste that is suitable for grouting ceramic tiles and similar applications. It contains selected hydraulic binders, organic binder, waterproofing materials, and inert hard aggregates.

Why Sika:

■ Due To Sika International Brand Name, High Quality Control and Strong Technical Support that is always available to serve our clients.

Products Delivered:

- | | |
|-------------------|----------|
| • Sika Lasqa | 155 Tons |
| • Sika Tile Grout | 23 Tons |



CAIRO METRO LINE 3



PROJECT PARTICIPANTS:

- Owner:** Egyptian Ministry of Transport / Egypt's National Authority for Tunnels (NAT)
Contractor: Joint Venture between VINCI Construction Grand's Projects and Bouygues Travaux Publics and Egyptian partners, Orascom Construction and Arab Contractors.
Project Manager : Systra
Consultant: ACE - Muharram Bakhom Consultants

For More Projects Information



http://egy.sika.com/en/group/Publications/Sika_At_Work.html

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