



# SIKA AT WORK

## DAR EL FOAD HOSPITAL AND MEDICAL TOWER, NASR CITY EGYPT

REFURBISHMENT: Sika Tile Grout®, SikaCeram®-205 Large, SikaCeram® CleanGrout, SikaCeram®T-Latex, SikaCeram® LatexGrout, Sika® Screed Binder

BUILDING TRUST



# DAR EL FOAD HOSPITAL AND MEDICAL TOWER

## PROJECT DESCRIPTION

Dar Al Fouad Hospital and Medical Tower in Nasr City is a landmark project of its kind. It is a state of art project with international standards in construction, design, facilities and amenities. It is constructed on a land area of 13,000 m<sup>2</sup>. The hospital will be equipped with 162 beds, 7 operating rooms, and 37 critical care beds. The medical tower will serve a wide segment of doctors seeking to locate their clinics in what we can call an 'A Class' tower which serves their needs in terms of image and capabilities. The tower comprises 8 floors including 200 clinics. The project is designed by RBSD architects in New York. This American architectural firm is specialized in health care projects.

## PROJECT REQUIREMENTS

Tiling of marble (60 x 60 cm) flooring indoor corridors for Hospital and Tower with tile adhesive up to 10 mm thick, and the use of bacteriostatic and fungicide grouting due to the hygiene nature of the project. Also leveling of the substrate for approx. 30 mm before the installation of the marble is a must, bearing in mind the huge and heavy traffic that these corridors will encounter during operation, and the need of high performance system.

## SIKA SOLUTION

Due to the tight schedule the use of fast drying screed was important as in order to start tiling after 48 hours. The use of expanded open time material was recommended as most of the Marble installation will take place in the hot summer. Therefore, any fast setting material is not suitable.



## SIKA SOLUTION

Sika specified its complete tiling system starting from substrate preparation to tile adhesive and tile grouting.

### ■ Sika® Screed Binder

is a product based on high strength hydraulic binders and specific additives, able to achieve quick drying (Installation of Marble approx. 48 hrs after screed application) shrinkage-free indoor and outdoor screed.

### ■ SikaCeram®-205 Large

Powder adhesive to lay large sized ceramic tiles and natural stones, C2TE classified according to EN 12004. One-pack, premixed adhesive consisting of high resistance cements, high polymers content, selected silicon/quartz mineral charges and specific additives.

### ■ SikaCeram® CleanGrout

Cement based grouting for joints from 1 to 8 mm width, CG2 WA classified according to EN 13888. One-pack premixed grout water repellent, fungicide, mold inhibiting, bacteriostatic and anti-abrasion characteristics.

### ■ SikaCeram® T-Latex

Synthetic rubber latex to improve elastic performances of cement-based adhesives and mortars. It is used instead of water for Screed Binder to increase its elastic performance.

### ■ 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.

### ■ SikaCeram® LatexGrout

Synthetic rubber latex for cementitious grouting compounds, for Floorings subjected to frequent and thorough washing, and floors subjected to intensive pedestrian traffic.

## WHY SIKA

Sika is offering a full tiling system approach and high technical support. Mock-ups and training for engineers and applicators were organized.

## PRODUCTS DELIVERED

■ Sika® Screed Binder	20 tons
■ SikaCeram®-205 Large	70 tons
■ SikaCeram® CleanGrout	3.5 tons
■ SikaCeram® T-Latex	7 tons
■ SikaCeram® LatexGrout	300 kg
■ Sika Tile Grout®	1 ton



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## PROJECT PARTICIPANTS

Owner: Arab International Medical Company  
Contractor: Orascom Construction  
Consultant: Dar El Handasah Consultants

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