



# **SIKA AT WORK**

## **AMANAH MALL PROJECT, LAHORE**

**SIKA SOLUTIONS FOR COLUMN STRENGTHENING**

**BUILDING TRUST**



# AMANAH MALL PROJECT, LAHORE

## STRUCTURAL STRENGTHENING WITH TM REFURBISHMENT PRODUCTS

### Project:

Amanah Mall Lahore, a project of Amanah Group is an emerging epicenter on Model Town Link Road, The Commercial Broadway for Millions of residents. Located on one of the city's main thoroughfares, Amanah Mall is a benchmark for Local Urban development. Amanah Mall has been designed to invigorate the Dining & shopping experience alongside with entertainment endeavors for people at all ages. Amanah Mall, Lahore aims to strike a unique balance between functionality & effectiveness and to be the first of its kind experience for the shoppers and brands alike.

### Project Requirements:

Amanah Mall is an Architectural Marvel designed on the basic design of Dubai Mall, UAE. The concept behind Amanah Mall is to create a habitat that fulfills all customers' needs under one roof. Amanah Group demanded structural strengthening products in lieu of the addition of two more floors for the construction of Cineplex. Benchmark strength of the structure stood at 5500 psi. After the addition of two floors; the strength came out to be substantially lower than required strength. Sika offered its structural strengthening solutions in order to improve the Strength and ductility of columns of the Mall.



### Sika Solution:

Sika provides High performance Structural strengthening system for repair, refurbishment & improvement of new & existing structures. Sika recommended SikaWrap fabric strengthening system for column strengthening of Amanah Mall. SikaWrap consists of woven or stitched, carbon and glass fibre fabrics. It is used for the Strengthening of reinforced concrete structures, brickwork and timber in case of flexural and shear load due to improved seismic performance of masonry walls, Strength and ductility of columns or increasing the loading capacity of structural elements. The installation is extremely flexible and accommodating of different surface planes and geometry, making it a multifunctional material for many applications including confinement, shear, seismic upgrading and weak substrate strengthening. After the application of SikaWrap structural strengthening system the strength exceeded the benchmark strength of 5500 psi.







Final look of Column Strengthening at Amanah Mall, Lahore

**Project Name:** Amanah Mall Project,  
Lahore

**Project Owner:** Amanah Group

**Consultant:** Niazi Design System

**Contractor:** Amanah Group

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