



SIKA AT WORK

FIRDOUS MARKET UNDERPASS PROJECT LAHORE

SIKA SOLUTIONS FOR UNDERPASSES

Concrete Strengthening, Waterproofing and Pile Repairing

Sikament®-512 PKM

SikaBond® DV

Sika®-Bitumen

SikaRep®

SikaGrout®-114

BUILDING TRUST



FIRDOUS MARKET UNDERPASS PROJECT LAHORE

HIGH EARLY STRENGTH, NON-SHRINK GROUT, BONDING AGENT & CEMENTITIOUS WATER PROOFING

Project:

Lahore, being the second largest city of Pakistan, has been expanding at a rapid pace. With this expansion, the population has also increased, with this growing population, traffic congestion issues in Lahore are also growing. To address this public issue the government of Punjab launched a development project in Gulberg under Lahore Development Authority (LDA) to facilitate the flow of traffic.

Project Requirements:

Government authorized a development project which included the construction of a 560-meter two-lane dual carriageway underpass. The underpass was to be constructed at Firdous market to mainstream the flow of traffic to M.M. Alam road, Cavalry ground, Defence, Liberty Market and other adjoining areas. LDA wanted the project to be completed on early basis to mainstream the traffic flow which is why it required Sika to apply the product to achieve its high early strength and control its water/cement ratio. Water proofing was also required for the protection of the structure and the repairing of piles.

Sika Solution:

To effectively meet all the quality standards and complete the project in quick time, Sika used certain products, details of which are listed below:

Sikament®-512 PKM is an admixture which was used to strengthen the concrete, it is flowable and a water reducer which aided in rapid concrete hardening and ultimately reduce lags in concrete. SikaBond® DV was used as a bonding agent which also works as a water proofing. It is a synthetic rubber emulsion for adding to cement mortars and was recommended in areas where good adhesion and water resistance is required. For additional waterproofing, Sika®-Bitumen was used which is a waterproof coating and concrete structures. SikaRep® was used for repairing mortars. And SikaGrout®-114 is a cementitious product which was used as a non-shrinkable grout for repairing purpose.





The underpass was named after 'Lal Shabaz Qalandar' a spiritual personality/saint followed by many and ultimately inaugurated on November 26th, 2020 by CM Punjab, Mr. Usman Buzdar who commended the project team on their quality work.

Project Name: Cavalry Lahore Underpass

Project

Project Owner: LDA

Consultant: Nespak

Contractor: Maqbool Associate

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