



SIKA AT WORK

UNIVERS SHOPPING MALL, TIRANA, ALBANIA

STRUCTURAL STRENGTHENING: SikaWrap® FRP System

BUILDING TRUST



UNIVERS SHOPPING MALL, TIRANA, ALBANIA



PROJECT DESCRIPTION

Univers Shopping Mall (QTU) was built in 2005 and is the first mall constructed and opened in Tirana. It is located a few minutes from the center of the city with easy access from Tirana-Durrës highway, comprising of retail space, restaurants and public facilities. The new floor will be a completely new concept of interior design with more natural light, dedicated mostly to entertainment and gastronomy, such as 4 new high technology cinema theatres, kid's playground, restaurants and cafés of different types inside and outside (veranda) of the structure. QTU is part of Balfin Group, the biggest innovative investor group in the area.



PROJECT REQUIREMENTS

It was decided to extend the functionality of the building with a second level above the existing structure, adding thus 14.000 m² more and reaching a total surface of 47.000 m² with a new interior design and services. The project's budget was 15,000,000 € and its structural reinforcement works were completed during 2018. The selected solution by the designing studio was the SikaWrap® structural strengthening system, applied before the start of the construction works for the new level.



SIKA SOLUTIONS

Since the current structure would be extended with a new level above, it was necessary to enhance the loading and bearing capacity of the existing columns and beams. The structural reinforcement included the bonding of the SikaWrap®-600 onto the prepared concrete substrate of the beams and columns using the Sikadur®-300 & -330 epoxy adhesive. This was an effective way to increase the shear strength and load support the with a fast material application.





SIKA PRODUCTS IN VOLUMES:

FRP fabric: SikaWrap®-600 C: 5.500 mt

Resin adhesive: Sikadur®-300 (Comp. A+B): > 1 ton
 Sikadur®-330 (Comp. A+B): ~ 1 ton

PROJECT PARTICIPANTS:

Owner/ Main contractor: MANE TCI

Design office: AVE Consulting & Prof. Eng. Ervin Paci

Sub-contractor/ applicator: Teknoedil SHPK



Sika Albania SHPK
 Blv. "Gjergj Fishta",
 Alpas Center, kati i 3-të
 Tiranë, Albania

Contact
 Tel.: +355 4 454 0070
alb.sika.com / info@al.sika.com

BUILDING TRUST

