



REHABILITATION AND REINFORCEMENT OF UNIS BUSINESS BUILDING-SARAJEVO BY THE USE OF CARBONFORCE® (CFRP Carbon Fiber Reinforced Polymer)



The UNIS business center Sarajevo (Tower B) has suffered more serious damages caused by natural influences and war destructions than its twin building (Tower A). The architecturally imposing "UNIS" building had during its life various periods of crisis with very negative effects and consequences to the building structure:

- The period of work suspension and exposure of unprotected structure to the atmospherical influences (5 years) during construction.
- Shelling and devastating fires during the siege and destruction of Sarajevo.
- Very devastating atmospherical aggression on unprotected structure after the shelling and fires up to the beginning of rehabilitation and reinforcement work (5 years).

The Investor had to take extremely responsible economical decisions, the designer elaborated a difficult and demanding project and the contractor had to perform a delicate and binding work.

The structure has been rehabilitated and reinforced with Epoxy

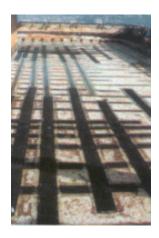
Injection, Carbon Fiber Sheets and Epoxy Adhesives, to the most updated technology, using Special Epoxy and Repair Mortars, meeting the highest standards of works.

To our knowledge, the "UNIS" business building with 49.600 l.m. of incorporated Carbon Fiber Sheets as reinforcement represented, at that time, the biggest rehabilitation work of concrete structure in the world using this technology.



Investor: UNITIC - Sarajevo Designer: ARHITEKT - Sarajevo Consultant: IMK -Sarajevo Contractor: SINIT S.r.l. – Italy





"UNIS" Business Center. Sarajevo, B&H.

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