



Job Record n° 10

**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.

SINIT INTERMAR S.r.l. – Via V. Chiarugi, 76 – 45100 ROVIGO (Italy)

Ph. ++ 39 0425 361961 – Fax ++ 39 0425 410115 – E-mail [info@sinitworks.com](mailto:info@sinitworks.com) - [www.sinitworks.com](http://www.sinitworks.com)



SINIT EPOXY COMPOUNDS AND NEW TECHNOLOGIES IN THE CIVIL, INDUSTRIAL AND UNDERWATER ENGINEERING

