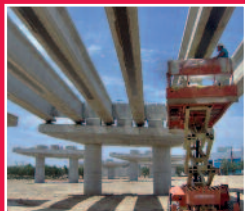


FIBRWRAP®

Worldwide Specialized Contractors

FIBRWRAP ITALIA srl

Strengthening Structures | Protecting Lives Worldwide.



Transportation



Buildings



Pipelines



Waterfront



Industry



Strengthening of a Masonry Warehouse with arches, Tuscany, Italy

A complex of ten masonry warehouses in the town of Grosseto was refurbished and it became apparent that the internal arches at every warehouse had an identical crack pattern, consisting of cracks passing through the keys or situated at their vicinity.

Fibrwrap provided a design – build solution which entailed the strengthening of the underside of the arch with SCH Carbon Tyfo® FIBRWRAP® System with Tyfo S epoxy and also the application of Tyfo Fibrwrap Carbon Anchors.

The use of composite material has allowed fast completion of the works and the possibility to the client to prohibit the access to the warehouses only for the time needed for the reinforcement application. Moreover, thanks to the small dimensions and the light weight of the fiber composite materials, the original profile of the arches was not modified, nor the structural mass was increased.

Project: Strengthening of a
Masonry Warehouse
with arches, in Italy

Location: Tuscany, Italy

Client: Ispettorato delle
Infrastrutture dell' Esercito -
7mo Reparto Infrastrutture

Duration: 6 weeks

Scope of Works:

- Strengthening and Repair of
Masonry arches with Carbon
FRP.



www.fibrwrapgroup.com

www.fibrwrap.it