

REINFORCEKIT® BEAM



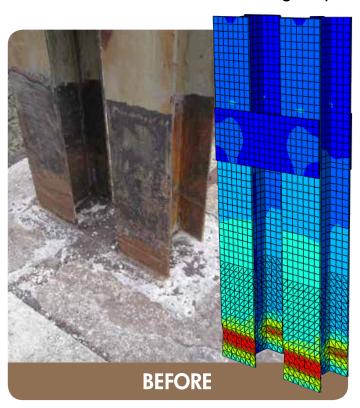
COMPOSITE REPAIR FOR DAMAGED BEAM

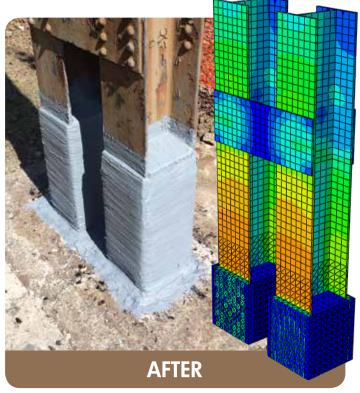


H L C C C C All structure designs

Onshore

REINFORCEKiT® BEAM design is performed using Finite Element Simulation







Composite Repair Specialist



REINFORCEKIT® BEAM is a product recommended to reinforce corroded structures. Designed for lasting 20 years minimum, this product can renovate a structure suffering from severe corrosion (up to 80% of corrosion).

REINFORCEKIT® BEAM is made of very high performance materials. Metal inserts are integrated on the defected structure by cold welding to give back the original mechanical resistance. Then the structure is wrapped with Kevlar® tape and 3X epoxy resin and recovered with specific anti-UV & impact protective coating.

REINFORCEKIT® BEAM HISTORY





Initially co-developed in partnership with SNCF (French National Railway Company) for Railway Industry to reinforce catenary supports, **REINFORCEKIT® BEAM** is suitable for all structure designs.

Since 2011 and after 2 years of testing (decohesion and mechanical tests ...), over a thousand of supports have been renovated successfully thanks to this original product.





USES

- Repair and reinforce structures
- Stop and renovate up to 80% of corrosion
- Restore structures integrity



APPLICATIONS

- Structures highly corroded
- All structure designs (beam, pole ...)
- All structure sizes



BENEFITS

- Installation without stopping traffic or production
- Long-term repair (20 years minimum)
- Cost-effective installation

REINFORCEKIT® BEAM IMPLEMENTATION STEPS







Metal inserts application



Kevlar® and epoxy resin wrap



Impacts & UV protection



TO GUARANTEE THE EFFECTIVENESS AND SUSTAINABILITY OF THE PRODUCT,
THE INSTALLATION MUST BE PERFORMED BY 3X SPECIALISTS