ENGINEERING

REINFORCEKIT® BEAM



COMPOSITE REPAIR SOLUTION FOR STRUCTURE REINFORCEMENT



STRUCTURAL

HL []][O Any structure designs

○ Any structure sizes

Any weather conditions

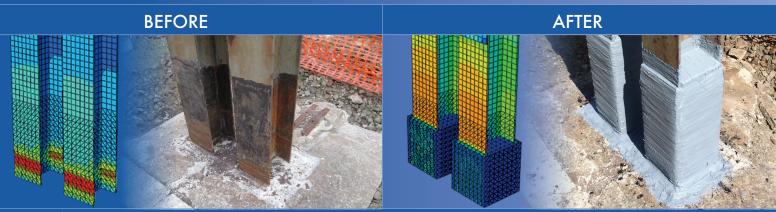
Any environments

Any industries

It is suitable for any structure designs (poles, beams, deck structures and platings ...) without size limitation. This technology is a combination of metal inserts and composite wrapping made of Kevlar® tape and bicomponent epoxy resin.

REINFORCEKiT® BEAM is a patented concept codeveloped in partnership with SNCF (French National Railway Company) initially designed to reinforce catenary supports in Railway industry.

REINFORCEKIT® BEAM CONCEPT





Over three thousand of catenary supports already repaired with success since 2010.

REINFORCEKIT® BEAM MAIN FEATURES & BENEFITS

- > Repair solution for corroded structures
- > Anti-UV and impact protection
- > Any structure designs and sizes
- > Tailor-made product for your structure design (Finite Element Analysis)
- > Long-term repair (20 years minimum)
- > High-quality product certified (many decohesion and mechanical tests performed)
- Cost-effective (structure replacement avoided)
- > Installation by trained and certified applicators

REINFORCEKIT® BEAM IMPLEMENTATION





 $Rz > 60 \mu m (2.4 mil)$



preparation

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application

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resin wrapping







UV protection

