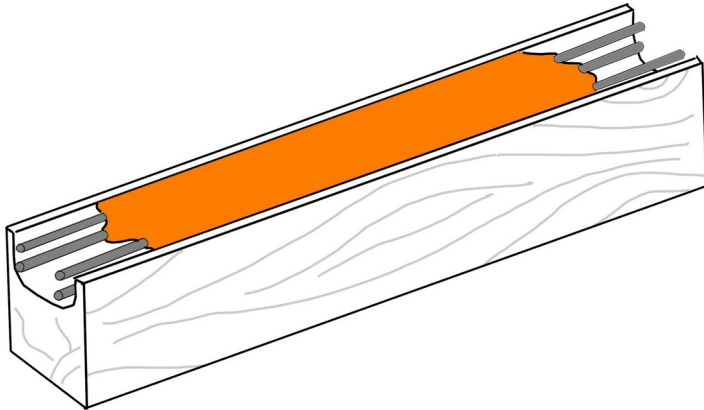


Reconstruction of wooden structures without alteration of shape in correspondence with the intrados

LV57_SA_EN_R2-0617



Once hardened, restore the previously removed materials and eliminate any shoring.

APPLICATION DATA SHEET

Reconstruction of wooden structures without alteration of shape in correspondence with the intrados by:

1. hollowing out of the extrados;
2. placement of synthetic reinforcement bars;
3. casting with collaborative epoxy pouring.

1) HOLLOWING OUT OF THE EXTRADOS

Shoring of the structure, with removal of all the materials found in the intervention areas. Verification and static design of the existing stresses. Execution, in the extrados of the wooden beam, of a section opening suitable for the construction of a new collaborating beam that can support the present loads. Anti-woodworm and anti-mold treatment on all wooden parts, after the careful removal of dust, greasy substances and all materials that may compromise a perfect anchoring of the resin.

2) PLACEMENT OF SYNTHETIC REINFORCEMENT BARS

Insertion, in the section hollowed in the wooden beam, of the reinforcement structure composed of 4 fiberglass bars with full circular section and very high resistance to corrosion **Kimitech TONDO VR**, made of unidirectional glass fibers impregnated with synthetic resins.

3) CASTING WITH COLLABORATIVE EPOXY POURING

Pouring of two component solvent-free fluid epoxy resin **Kimitech EP-IN**, loaded 1 to 5 with quartz-type aggregates **Kimifill HM**.