

REINFORCEMENT OF VAULTS THROUGH THE CONSTRUCTION OF CASTINGS REINFORCED WITH STRUCTURAL COCCIOPESTO

Reinforcement of vaults with structural cap

APPLICATION DATA SHEET

Reinforcement of vaults through the construction of castings reinforced with structural cocchiopesto, through:

1. shoring, emptying and grouting of cracks;
2. anchoring of steel pieces and fixing of the mesh;
3. construction of the casting.

1) SHORING, EMPTYING AND GROUTING OF CRACKS

If the intrados of the vault has cracks or micro-cracks, a careful grouting will be performed. If the plaster on the bottom of the vault is damaged or detached in some of its parts, it will be stabilized properly.

Subsequent shoring of the structures involved in the intervention. Cleaning of the extrados with total elimination of inconsistent parts and of any material that could compromise the good anchoring of the subsequent coating.

2) ANCHORING OF STEEL PIECES AND FIXING OF THE MESH

Placement of helical bars Kimisteel INOX X-BAR and fill the hole with suitable Kimitech line resins or mortars from the Betonfix, Limepor or Tectoria lines.

3) CONSTRUCTION OF THE CASTING

In the case of damp or not very sturdy substrates, prime the surface with Kimicover FIX with a consumption of 0.3 Kg/m².

Mix Limepor COCCIOFORTE A and Limepor COCCIOFORTE B to spread with a brush on the surface as an adhesive bridge with a consumption of about 0.7 Kg/m².

Mix the three-component mixture adding aggregate Limepor COCCIOFORTE C.

Perform the pouring of the mixture on the substrate treated with the adherence enhancer, fresh on fresh, trying to distribute the material evenly according to the surface to be covered.

During the laying it is essential to carefully cover the previously placed perimeter irons and compact the material on the substrate.

Any subsequent pourings do not require further anchorings.