

REINFORCEMENT FOR THE CONCRETION OF INFILLS AND PARTITIONS TO THE REINFORCED CONCRETE STRUCTURE

Non-structural devices

APPLICATION DATA SHEET

Reinforcement for the concretion of infills and partitions to the reinforced concrete structure by means of:

1. removal of flaky parts;
2. application of the reinforcement;
3. skimming.

1) REMOVAL OF FLAKY PARTS:

Removal of all loose parts and plasters.
In case the reinforcement to strengthen the connection of infills and partitions inside the skeleton of the reinforced concrete structure is applied, remove the existing plaster straddling between the infill and the beam by a width of 50 cm, dust off the carving surfaces and wash them with low pressure water. Proceed with drilling the tompagno for the entire thickness in the recess section between infill wall and beam, with a distance between centers of no more than 50 cm and not bigger than the temporary occlusion, with a special removable marker, to prevent the mortar, that will be subsequently applied, from penetrating and allowing it to be identified.

2) APPLICATION OF THE REINFORCEMENT

On a saturated substrate with a dry surface, apply with a spatula, trowel or spray a first uniform layer of two-component fiber-reinforced cement mortar Betonfix AQM GG, respecting the consumption rates indicated by the Technical Data Sheet.

On the still-fresh mortar layer, place bi-directional fiberglass reinforcement mesh with anti-alkaline primer Kimitech 550+, fixing it to the load-bearing joists of the slab using Kimitech ASF: fixing consisting of a ϕ 50 mm disk and a four-sector PA6-nylon dowel and a galvanized steel screw with countersunk head and cross cut.

The application of the tile is as follows:

- Construction of an 8 mm diameter hole to a depth of 40

mm after positioning the Kimitech mesh;

- Insertion of the dowel by mechanical pressure;
- Positioning of the washer over the mesh;
- Inserting the screw inside the appropriate washer hole and screwing.

Cover of the mesh with a layer of two-component elastic cement-based mortar Betonfix AQM GG.

3) SKIMMING

Skimming should be carried out upon completion of the plaster curing (wait at least 1 week for each centimeter of thickness, and at least at least 3 weeks) by applying a ready-to-use natural hydraulic lime-based white skimming mortar Limepor EDO.

POSSIBLE ALTERNATIVES:

- As an alternative to Betonfix mortar AQM GG it is possible to use: Basic MALTA M15/F, mortar based on natural hydraulic lime and ecopozzolan

- As an alternative to the Kimitech 550+ net, it is possible to use: Kimitech BS ST, basaltfiber nets of different weights or Kimitech WALLMESH, glass fiber nets of different weights and characteristics

- In alternativa ai tasselli Kimitech ASF è possibile utilizzare: Kimisteel INOX X-BAR, barre elicoidali in acciaio inox oppure Kimisteel GLV 650, tessuto in fibra di acciaio glv per la realizzazione di fiocchi