

REINFORCED REPOINTING OF MORTAR JOINTS

Consolidation of walls and masonry facings

APPLICATION DATA SHEET

Reinforced repointing of joints by the insertion of stainless steel helical bars by:

1. substrate preparation;
2. insertion of the bars;
3. grouting;

1) PREPARATION OF THE SUBSTRATE

Preparation of the substrate by removal of the mortar on the joints and removal of the powders by means of compressed air.

Wash the surfaces involved in the work with low pressure water.

2) INSERTION OF THE BARS

Align the joint with Limepor PMP natural hydraulic lime mortar and insert Kimisteel INOX X-BAR stainless steel bar along the joint.

In case of irregular joints, use Kimisteel INOX X-BAR with a diameter of 6 mm, which thanks to its flexibility is able to follow the irregularities of the joints and the strips.

Fill the joint once the insertion of the helical bar with the same mortar is finished, in order to guarantee perfect sealing of the joint and grouting of the bar.

3) GROUTING

Once the insertion of the helical bar is finished with the same mortar, grout the joint, in order to guarantee the perfect sealing of the joint and the grouting of the bar.

POSSIBLE ALTERNATIVES

As an alternative to Limepor PMP it is possible to use: Basic MALTA M15 or Basic MALTA M15/F based on natural hydraulic lime and ecopozzolan or Tectoria INTONACO NHL, totally free of cement.

REINFORCED REPOINTING OF JOINTS BY THE INSERTION OF STAINLESS STEEL HELICAL BARS

Consolidation of walls and masonry facings

APPLICATION DATA SHEET

Reinforced repointing of joints by the insertion of stainless steel helical bars by:

1. substrate preparation;
2. insertion of the bars;
3. Insertion of bars/strands into joints;
4. grouting;

1) PREPARATION OF THE SUBSTRATE

Preparation of the substrate by removal of the mortar on the joints and removal of the powders by means of compressed air.
Wash the surfaces involved in the work with low pressure water.

2) INSERTION OF THE BARS

Make pilot holes with a diameter less than 2 mm than that of the Kimisteel INOX X-BAR helical bar to be inserted.
Cut the helical bars to size and insert dry, with percussion only, using a drill with a special chuck for helical bars Kimisteel SDS DRILL or a manual bar pusher Kimisteel MANUAL DRILL.

3A) INSERTION OF BARS INTO JOINTS

Insert the Kimisteel INOX X-T connector on the head of the helical bar previously inserted into the masonry, by screwing, so as to create the T connection with the helical bar inserted orthogonally inside the joint. Locate the joint with Limepor PMP natural hydraulic lime based mortar and insert the second Kimisteel INOX X-BAR helical bar, of smaller diameter, into the joint, passing it through the holes found on the head of the Kimisteel INOX X-T connectors.

3B) INSERTION OF STRANDS INTO JOINTS

Insert the Kimisteel INOX X-T connector on the head of the helical bar previously inserted into the masonry, by screwing, so as to create the T connection with the strands inserted orthogonally inside the joint. Locate the joint with mortar based on natural hydraulic lime Limepor PMP and insert stainless steel strands into the joint, passing them through the holes located on the head of the Kimisteel INOX X-T connectors.

4) GROUTING

Fill the joint once the insertion of the strands has been completed with the same mortar, in order to guarantee the perfect sealing of the joint.

POSSIBLE ALTERNATIVES

As an alternative to Limepor PMP it is possible to use: Basic MALTA M15 or Basic MALTA M15/F based on natural hydraulic lime and ecopozzolan or Tectoria INTONACO NHL, totally free of cement.