

Masonry perimetral beams reinforced with stainless steel tissues Kimisteel INOX

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APPLICATION DATA SHEET

Masonry perimetral beams reinforced with stainless steel tissues Kimisteel INOX through:

1. preparation of the substrate;
2. application of the reinforcement;
3. preparation of connecting systems.

1) PREPARATION OF THE SUBSTRATE

Clean the support removing flaky parts and any materials that can affect the good adherence of next applications. Accurate grouting of existing cracks with suitable mortars. In case the surface to be treated is quite irregular, smooth the surface with adequate hydraulic mortars.

2) APPLICATION OF THE REINFORCEMENT

Lay the first level of bricks. Prime the surface with the bi-component epoxy resin in aqueous solution **Kimicover FIX**. Spread, with a spatula, mortar **Basic MALTA M15 / F** for masonry substrates with a consumption of 1.5 Kg / m² / mm. While the mortar is still fresh lay tissue **Kimisteel INOX 800**, with a steel spatula or a trowel, slightly pressing the fabric into the matrix, making sure that it is completely embedded.

Apply a second coat of **Basic MALTA M15 / F** on the entire surface, as a bedding mortar for laying the next level of bricks.

3) PREPARATION OF CONNECTING SYSTEMS

Once 3 or 4 levels of bricks have been laid, the following procedures will be carried out:

- drilling of vertically pass-through holes, in staggered rows, that will reach the underlying masonry,
- grouting of bars for connecting the perimetral beams to the walls that support it.
- Positioning of metallic cuffs for laying wooden trusses. It is also possible to carry out the protrusion for eaves with simple traditional techniques, by grouting in the lamellar beam U-shaped bars, with the function of fixing rafters and connecting the next finish screed.

POSSIBLE ALTERNATIVES:

- as an alternative to **Kimisteel INOX 800** it is possible to use galvanized steel fiber reinforcement fabric **Kimisteel GLV 650**.