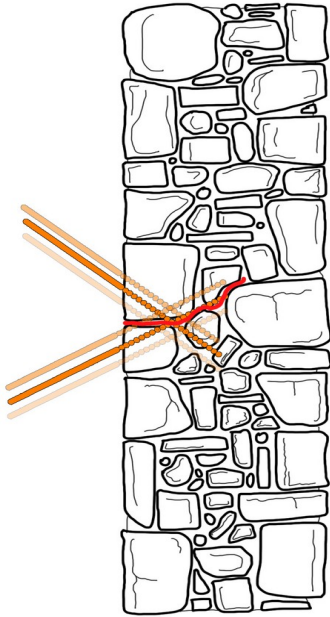


## Filling of cracks with bars of composite material

LV118\_SA\_EN\_R1-0318



the substrate, and the injection of a suitable grout to restore the material continuity of the masonry.

### POSSIBLE ALTERNATIVES

As an alternative to carbon pultruded bar **Kimitech TONDO CB**, it is possible to use pultruded fiberglass bar **Kimitech TONDO VR**.

In the case of overhead and small depth applications it is possible to grout the bars with two-component epoxy resin in cartridge **Kimitech EPOXY CTR**.

### APPLICATION DATA SHEET

Filling of cracks with bars of composite material through:

1. drilling of holes;
2. insertion of bars, grouting and pointing;

#### 1) DRILLING OF HOLES

Drilling of pilot holes on either side of the crack, with a suitable slope with respect to its profile (such as to avoid the slipping off of bars), to be carried out in compact areas of the masonry, for a depth equal to or greater than the length of the bar and in the number planned by the project. The holes will be made with a diameter 2-4 mm bigger than the one of the bar and will be sloped alternately upwards and downwards with a pattern studied in the design phase.

#### 2) INSERTION OF BARS, GROUTING AND POINTING

Insert the pultruded bar **Kimitech TONDO CB**. Then grout with two-component fluid epoxy resin **Kimitech EP-IN**. Once the bars have been inserted, fill the hole with suitable resins from the Kimitech line or mortars from the Betonfix, Limepor or Tectoria lines.

In the case of pass-through cracks, before the insertion of the pultruded bars, it is advisable to proceed with the grouting of the crack with appropriate mortar depending on