

Anchoring of reinforcement steel rods on compact structures, made of reinforced concrete, cotto tiles, stone or wood, with vertical or downwards-inclined holes

LV3 SA EN-R2-0517

APPLICATION DATA SHEET

Anchoring of reinforcement steel on compact structures, made of reinforced concrete, cotto tiles, stone or wood, with vertical or downwards-inclined holes, prior:

1. preparation of the substrate;
2. grouting.

1) PREPARATION OF THE SUBSTRATE

Drill horizontal or above-head holes with suitable equipment and clean them with compressed air jets. The hole's diameter should be at least 20 mm bigger than the diameter of the reinforcement rod to be anchored, the cement cover layer must be at least 10 mm thick. Substrate and holes must be dry in order to guarantee the proper curing of the resin.

2) GROUTING

Insertion into the holes previously made of metal or synthetic reinforcements and anchoring by injection through suitable equipment of two-component, low viscosity, liquid, solvent-free epoxy resin **Kimitech EP-IN**, that has great structural adherence and does not shrink while curing.

Prepare the resin by pouring the component "B" (hardener) into the "A" component (resin) and mixing with a low speed drill (200-300 per minute) until you get a perfect mixture. In case of divided mixing, respect the ratio in weight (and not in volume) indicated on the packages.

If the holes' length goes up to 40 cm, pour resin by gravity, then insert the bar while rotating it in order to let the extra resin out. If the holes are longer, fill them through injection using a proper MM/TL or AC/TL gun connected to a plastic tube that goes down to a depth of about half of the hole, then insert the bar.

In the case of anchoring on mixed walls, where significant dispersion may occur, the product can be loaded with dust **Kimifill WR4**, so as to make it less fluid.