

## Waterproofing from the inside of structures subject to negative hydraulic thrusts

LV11\_SA\_EN\_R2-0617

### APPLICATION DATA SHEET

Waterproofing from the inside of structures subject to negative hydraulic thrusts, prior:

1. preparation of the substrate;
2. waterproofing.

#### 1) AVOID RECURRENT WATER LEAKS OR EXUDATIONS

Refer to the Application Data Sheet "Preparation of substrates to be waterproofed" ([LV80](#)) for what concerns the cleaning of the substrate; preliminary controls; preparation of the substrate; and control and restoration of joints and connecting gutters.

In particular, we recommend that you:

- verify the presence of sealing elements in correspondence with connecting and fractioning joints;
- eliminate any obstacles (walls, metal guides, etc.) that could prevent the continuity of the waterproofing coating;
- create connecting gutters, collection and evacuation systems in correspondence with water coming-in points (to be treated after the creation, at the exit point of water, of a dovetail opening and its subsequent closure with **Betonfix WW**);
- apply mortar **Betonfix WW** directly on the surface in the case of widespread exudation on the surface.

#### 6) WATERPROOFING

On the surface to be waterproofed, clean, sound and wet, lay mesh **Kimitech 350**, overlapping the sheets for a 10 cm length.

Soak the mesh by applying, with a trowel, mortar **Betonfix 300**, mixed with 35% by weight of **Kimitech ELASTOFIX** with a mortar consumption of about 1,5 kg/m<sup>2</sup>.

In order to prepare the mixture, stir the product for about 5 minutes with a cement mixer or, in case of small quantities, with drill and whisk. Add 3/4 of **Kimitech ELASTOFIX** and then, gradually, the remaining product until you get the right consistency.

Once obtained a homogeneous mixture free of lumps, make it rest for 10 minutes.

Once the first layer has cured, not before 24 hours have passed, apply with a trowel a second layer of mortar **Betonfix 300** mixed with 35% by weight of **Kimitech ELASTOFIX** with a mortar consumption of about 2 kg/m<sup>2</sup>.