WATERPROOFING OF RETAINING WALL IN BASEMENT ENVIRONMENTS

Waterproofing of tanks and retaining wall

APPLICATION DATA SHEET

Waterproofing of retaining wall in basement environments, by:

1. Cleaning of the substrate;
2. preliminary checks.
3. Waterproofing

1) CLEANING OF THE SUBSTRATE

The cleaning operations are aimed at the total elimination of inconsistent parts, which are detached and not equipped with sufficient mechanical characteristics, dust, grease, rust, release agents, paint and varnish, cement slurry and any other substance or material that may affect the adherence of subsequent coatings.

2) PRELIMINARY CHECKS

For retaining walls, elevator shafts and structures subject to positive and negative hydraulic pressures, proceed as follows:

- 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.

3) WATERPROOFING

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/m².
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/m².

Kimia S.p.A.
Via del Rame, 73
06134 Perugia (Italia)

Tel. +39 075 5918071
E-mail: Info@kimia.it

Website:
www.kimia.it