

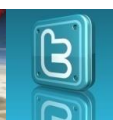
OPTIMISATION METHODOLOGY OF CRYSTALIZATION SYSTEM

The Contractor is referred to the Specifications and Drawings for all details that is related to this Section of the Works, in order to insure full commitment with all the requirements contained therein, thus the thermal & moisture insulation will reach to the required professionalism and effectiveness.

Instruction required from Main Contractor:

- Insulation works should be implemented by specialized company and should be approved from the consultant; as well it should have minimum 5 years experience.
- Electrical conductors and water pipes should be sealed properly, to avoid any water leakage.
- The floors and walls shall be cast of reinforced concrete
- Insulation system is very delicate and important task, that's will make the main contractor is responsible to ensure full co-operation and attention from other subcontractor's whom their scope of works will start after waterproofing systems such as Painting, , casting concrete, Epoxy Painting ,...etc, in order to avoid any damages or vandalism in insulation layers either partially or totally. Following up the above mentioned notes and the below methodology will avoid further maintenance.
- Implemented company must issue guarantee letters (defects liability period), for all insulation works, this guarantee will be use during any maintenance, taking into consideration guarantee period.
- Puncture the insulation layers under any circumstances is not allowed, this will cause leakage either currently or later on.

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A / SAB® Crystal 410 , (Negative Or Positive insulation System) / Basement.

ACCORDING DCL REGULATION.

PREPERATION:

1. Clean the surface from all dust or debris by using compressed air, directly before implementation.
2. Cleaning scope of work area properly.
3. Grinding or touching up the surfaces
4. Spraying the outer side with water, the Property of this material it needs wet surface to make the required strong interaction.
5. Puncture the surface by making tiny holes, this will ensure perfect absorption.
6. Cleaning these small holes and insures it dry; taking into consideration the whole area is still wet.
7. Treatment of nesting sites in concrete(If Find) resulting from the concrete not reaching the entire molded structural element
8. Closing all places facing the walls with pipes and places for structural joints to expand with specialized materials.
9. The main contractor is responsible to implement water testing and discharge the water after testing, but these procedures should be under our supervision.

APPLICATION:

10. Breaking the damaged places with a thickness of not less than 5 cm and reaching the maximum depth of the previously executed injection .
11. Removing Polyurethane from the surface by Jack hummer / Hilti .
12. Clean the surface that we reached from all remaining Polyurethane brush.
13. Mixing SAB® Crystal 410 concentrate with desalinated water, in this standard : each one amount of water requires three amounts of this material. The blended quantity should be using within 30 minutes.
14. Then we start to fill the holes with this mixture and smoothing these holes to be matching with the whole surface.
15. Treating the joint area between basement flooring and walls.
16. Treating the expansion joint area with special material.
17. As final step: implement the supporting material over these holes within 6 hours at latest.

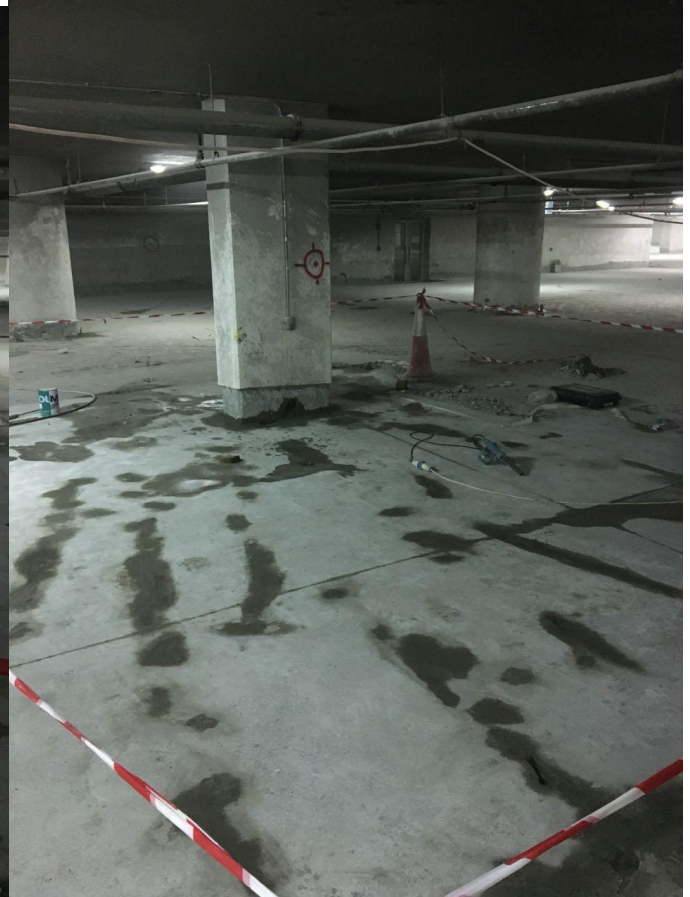
OPTION:

- * Casting Concrete for The area that treated.
- * Apply one more crystal coating.

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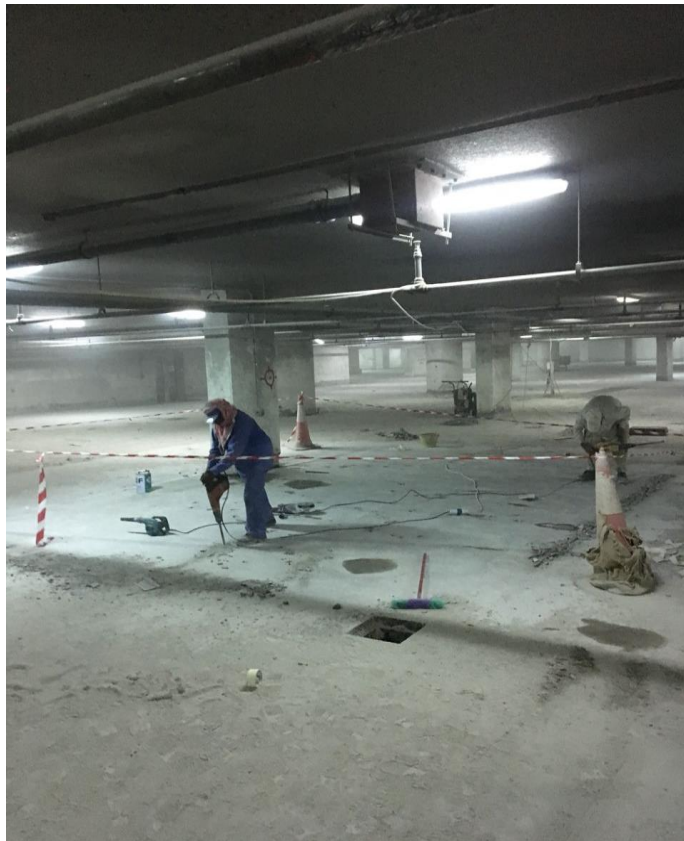
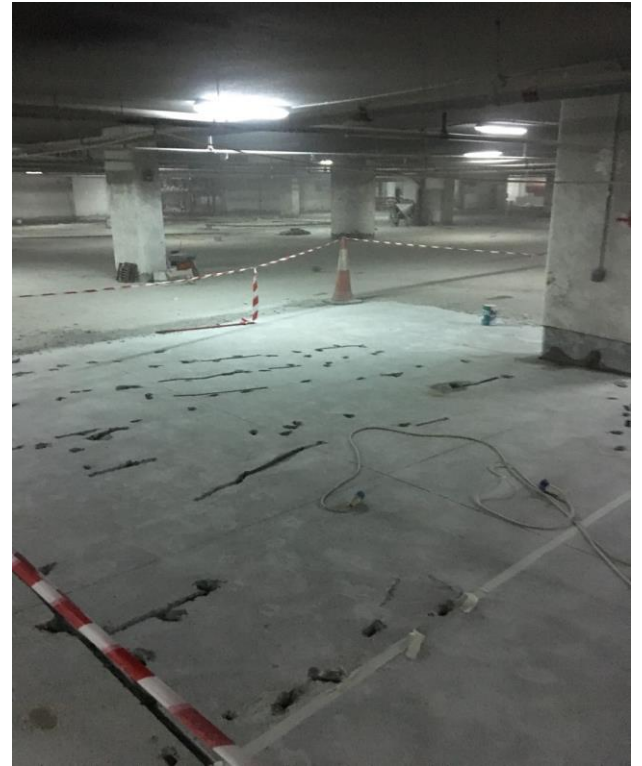






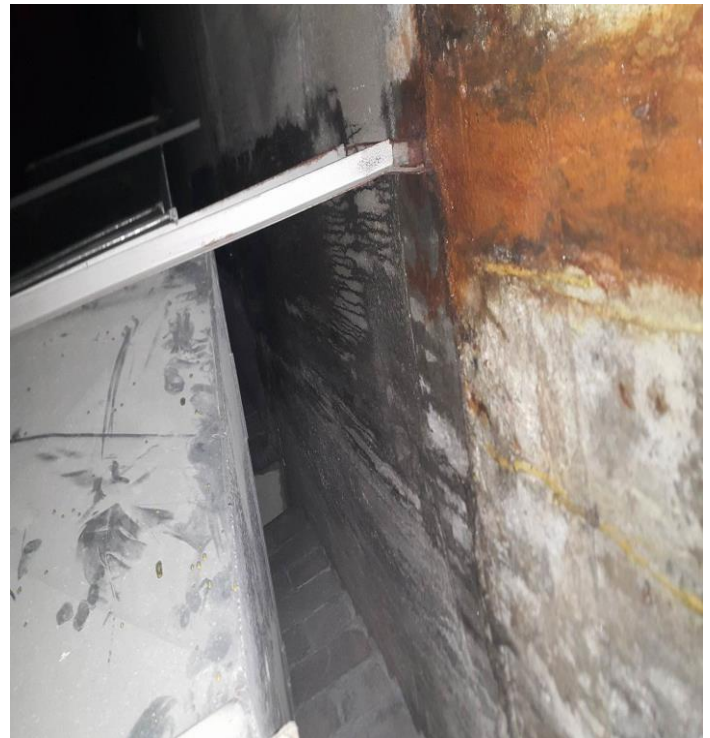
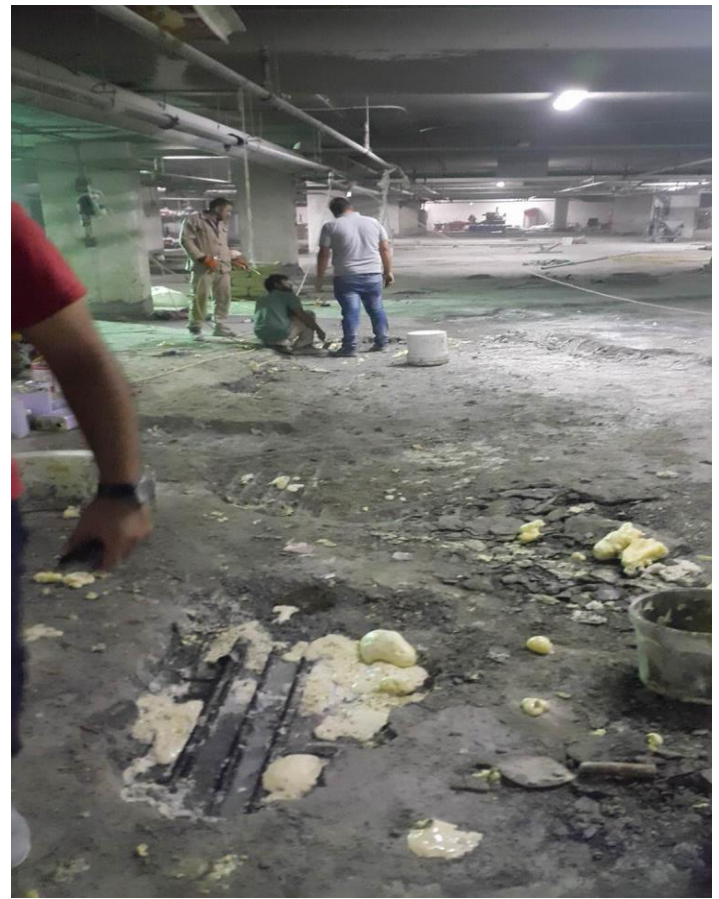














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