

# CASE HISTORY

## Sharira Water Tower Preservation

### CONSTRUCTOR

Lesico LTD

### LOCATION

Rishon-Le'zion, Israel

### PRODUCTS

MCI®-2020

### PROBLEM

This is a second phase of repairs to a 40 year old water tower. This tower developed cracking due to corrosion and leaks necessitating repair.

### APPLICATION

First, all delaminated, unstable concrete was removed. Exposed reinforcing steel was cleaned and new concrete patches were placed. The entire structure was then treated with two coats of MCI®-2020 with a total dosage rate of 3.68 square meters per liter (150 square feet/gallon). Following MCI®-2020 application, bi-component PU paint was applied.

### CONCLUSION

Engineering decided on MCI®-2020 over Ferrogard-903 due to it's better corrosion suppression and its ANSI-61 approval for application on concrete in contact with potable water.



### DATE

2012

### DISTRIBUTOR

Glimmer Industrial Consultation

### ENTREPRENEUR

Meniv-Rishon LTD

### ENGINEER

Yitzhak S. Lameey Engineers



**Water leakage and corrosion damage prior to restoration**



**Water leakage and corrosion damage prior to restoration**



**Corrosion damage prior to restoration**



**Drum of MCI®-2020 waiting application**



**Roller application of MCI®-2020 was chosen as wind around high exposed tower may carry spray droplets**



**Tower prior to restoration**



**Tower during restoration**