

CASE HISTORY

North Water Tower Preservation



CONSTRUCTOR

Reshef H. Contractors (1990) LTD

LOCATION

48 Ha'alia Hanasi St., Herzlia, Israel

PRODUCTS

MCI®-2020

PROBLEM

This 50 year old water tower developed corrosion cracking, spalling and water 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

MCI®-2020 was chosen over the competitor product (Ferrogard 903) due to its superior corrosion protection, better coverage rate with fewer required coats, and ANSI-certification.

DATE

2008

DISTRIBUTOR

Glimmer Industrial Consultation

ENTREPRENEUR

Mey-Herzlia LTD

ENGINEER

Horwitz Buch Engineering LTD

4119 White Bear Parkway, St. Paul MN 55110 USA
Phone (651)429-1100, Toll free (800) 4-CORTEC
Fax (651) 429-1122, Email: info@cortecvci.com
www.cortecvci.com

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MIGRATING CORROSION INHIBITORS
FROM GREY TO GREEN

Ha'alia Hashnia Tower during preservation.



Tests of MCI®-2020 3 months after application: 5 concrete samples were taken from various locations on the tower. Vial marked 0 is reference de-ionized water. It was deducted that insufficient MCI®-2020 amount was applied at locations 1, 3, & 5, which were re-applied.

