

CASE HISTORY

Enhancing Durability of New Plant Construction



PROBLEM

Due to a continuous increase in demand, EcoCortec® – a producer of anti-corrosion films and bags – is increasing its capacities by building a new plant facility. The current expansion project is being co-financed by the Croatian Ministry of Economy, Entrepreneurship and Crafts, within the European Funds Programme. MCI®-2005 NS was specified for use in the foundation as additional protection against corrosion.

APPLICATION

Cortec's MCI®-2005 NS is a corrosion inhibiting admixture designed to protect steel reinforcement in concrete structures. It was incorporated into the foundation's concrete mix design to maximize service life and minimize the amount of repairs needed. Application took place during a winter with record low temperatures in Beli Manastir. The MCI® Technology that was used is biobased (27%) and has a lower environmental impact than traditional corrosion inhibiting admixtures such as calcium nitrite. MCI®-2005 NS admixture meets all requirements of ASTM C1582.

CONCLUSION

The ready mix suppliers were pleased with the admixture's ease of dosage as well as its lack of adverse effects on the mix design. By including MCI®-2005 NS admixture into the design specifications, expected durability and service life of the structure will be improved.

DATE

January 2018

CUSTOMER

EcoCortec® d.o.o.

READY MIX SUPPLIER

TBG BETON d.o.o.

CONTRACTOR

Massa d.o.o.

LOCATION

Beli Manastir, Croatia

PRODUCTS

MCI®-2005 NS

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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FROM GREY TO GREEN

