



MICRO-CORROSION INHIBITING COATINGS POWERED BY NANO VPCI®

CASE HISTORY

Preservation of Electrical Power Line Pier



Before



After

LOCATION

Svilajnac, Serbia

PRODUCTS

VpCI® CorrVerter® Rust Primer

PROBLEM

The customer needed to perform rust removal and surface preparation in order to protect the metal structure of the electrical power line piers. The piers are in the mountains and surface preparation by sand blasting or high water pressure was not possible. The customer accepted Cortec's VpCI® CorrVerter® as a substitute for conventional surface preparation methods.

APPLICATION

After removal of loose rust with a wire brush, VpCI® CorrVerter® was applied by brush and roll at 70-80 DFT microns. Dry time before applying topcoat was 10 hours.

The paint system:

- Rust remover and primer coat: VpCI® CorrVerter®
- Middle coat: 2K epoxy Epolkin at 60 µm DFT (producer HELIOS Slovenia)
- Top coat 2K PUR EMAIL at 60 µm DFT (producer HELIOS Slovenia)

Duration of protection: 15 years

DATE

April 2017

CUSTOMER

Obrenovac

CORTEC® REPRESENTATIVE

CorteCros® Ltd



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

www.cortecvci.com

CONCLUSION

Cortec® solved the problem of surface preparation with VpCI® CorrVerter® and proved its compatibility with epoxy and enamel coating made by another producer. The customer was very satisfied with VpCI® CorrVerter® and found it an economical and effective Cortec® product.



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