

# CASE HISTORY

## Kriel Power Station Repair



### DATE

March 2008 - December 2008

### DISTRIBUTOR

StonCor Africa - An RPM Company

### SPECIFYING ENGINEER

Kriel Power Station CED (Civil Engineering Department)

### CUSTOMER

Eskom

### CONTRACTOR

Sky Riders

### LOCATION

Kriel, South Africa

### PRODUCT

MCI®-2006 NS\*

MCI®-2020\*

### PROBLEM

The Coal Staiths at Kriel Power Station needed to be repaired and then coated in order to prolong the lifespan of the structures.

### APPLICATION

Defective concrete was removed and replaced with repair mortars containing MCI-2006 NS. The corrosion inhibitor was added to the repair mortar mixes prior to application to add corrosion protection to the reinforcement within, and surrounding the patch. After all patchwork was completed, both of the structures were then coated with MCI-2020 to ensure corrosion rate reduction on the rest of the embedded reinforcement.


### CONCLUSION

The project was completed successfully.

\*More specifically, two repair mortars, Pro-Struct 528 VO MCI® +/- 12m<sup>3</sup> and Pro-Struct 531 MCI® +/- 1.5m<sup>3</sup>, containing MCI® -2006 NS and a surface applied product, Pro-Struct MCI® -2020 +/- 2750 Lt, containing MCI® -2020.

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