

## EXXARO KUMBA GROOTGELUK COALMINE – SOUTH AFRICA

In 2005 the **KUMBA RESOURCES** (now called **EXXARO**) started with the application of **ZINGA** on their infrastructures (6500 m<sup>2</sup> in total). Originally, they applied only one thin layer of **ZINGA** (because they had used too much solvent), which was not enough.

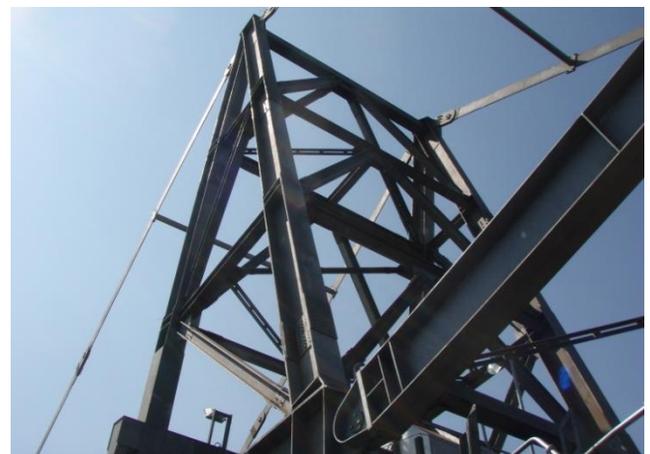
After application of a new **ZINGA** layer in March 2006, the customer was very satisfied.



System:

ZINGA

120 µm DFT





The client made an independent condition survey in October 2006 and again in February 2007.

This is the conclusion of the independent inspector dated 02-02-2007, demonstrating the excellent behaviour of **ZINGA**.

**CONCLUSION:**

- 1 As per the photographic report I conclude that Zinga has achieved galvanic protection and that no deterioration of the coating was witnessed.
- 2 Structural steel installed in Plant above screens exposed to continuous moisture and water has shown no reduction on dry film thicknesses.
- 3 Column bases done with Zinga metall exposed to water, coal fines and occasional impact has shown no reduction in dry film thicknesses.
- 4 No cracking of the sealing compound from the steel column to cement base was witnessed.
- 5 Zinga must be applied in accordance with MPC5 04 and it's the responsibility of the applicator to ensure that required DFT'S are obtained.

As the representative of Zinga Metall both O'Grady's and Zinga Metall Belgium believe that it is essential that a strict Quality Control plan is introduced to eliminate application faults.

Yours Faithfully

C.P.MEYER  
NACE LEVEL 1 COATING INSPECTOR  
CIP No. 12518