

## COMPARING GALVANISED COATINGS WITH MCU-MIOZINC

### Independent Test Validations

We have sighted independent test results that confirm:

- a) steel protected with 75µm to 100µm MCU-Miozinc has comparable performance to 125µm galvanisation when exposed to inland atmospheric exposure up to ISO Classification 12944-2 C3 Medium (Urban & Industrial atmospheres, moderate sulphur dioxide pollution. Coastal areas with low salinity); and
- b) a single coat of MCU-Miozinc at 100-125µm outperforms 125µm of galvanisation when the classification of the environment is equal or higher to ISO 12944-2 C4 High.

### The advantages of MCU-Coatings

Weighing up the pros:

- Independent laboratory tests have shown that a single coat of MCU-Miozinc (DFT 90µm) shows negligible corrosion from the scribe line after 10,000 Salt Spray testing hours performed in accordance with various international standards;
- The life-time expectancy of galvanized substrates decreases rapidly when exposed to (atmospheric) chemical attack, whereas MCU-Miozinc has excellent chemical resistance;
- MCU-Miozinc is not prone to cracking and is not affected by 'dissimilar metal corrosion' (or bimetallic corrosion);
- MCU-Miozinc can be top-coated directly with a coloured topcoat;
- Galvanised substrates usually need to be surface profiled before they can be overcoated;
- MCU-Miozinc can be overcoated without extra surface preparation and has no maximum overcoat window; and
- MCU-Miozinc passes the 12mm Conical Mandrel Bend test without breaking the film.

So why would you ever consider exposing galvanic coatings to a C5 environment.

**Just one more reason to join the MCU revolution**