

Zinc Nickel Plating

Protects to 1200 hours without the appearance of red rust

INTRODUCTION

Holmbury recently submitted a selection of their zinc nickel plated couplings for testing alongside several competitor solutions. The results were quite remarkable and proved beyond doubt that Holmbury offers the most effective corrosion protection currently on the market. Zinc nickel plating is available as standard on several of our product series and available as an option on many others. Please enquire for more details.

SALT SPRAY TESTING

A total of eight couplings, which included Holmbury zinc nickel and trivalent plated couplings, were submitted initially for 480 hours of salt spray exposure according to ASTM B117. All samples were exposed according to the instructions provided in ASTM B117, "Standard Procedure for Operating Salt Spray (Fog) Apparatus". As the test reached its conclusion it became clear that the Holmbury zinc nickel plating would far exceed the 480 hour mark. The test was then continued in order to ascertain the failure point for the zinc nickel plated couplings.

RESULTS

At 1200 hours the decision was made to terminate the test, as it could not be run indefinitely. At this point the Holmbury zinc nickel plated samples still showed no signs of red rust. The below pictures show the Holmbury couplings at various stages of testing:

0 HOURS



96 HOURS



480 HOURS



1200 HOURS



957 HOURS



Note: Sample 5 (competitor product) removed from test after 456 hours