

# COMPLIANCE REPORT

Engineering and Surface Coating Materials

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## New Zinc Nickel Alloy– Product Release

ELITE Surface Technologies Pty Ltd - Anti-Corrosion group has released a new Zinc Nickel Alloy coating system for commercial use to offer an environmentally friendly, RoHS compliant high performance coating technology alternative to traditional Hot Dipped Galvanizing (HDG) finishing and/or powder coating paint finishes for application to Surefoot steel components.

The new technology incorporates a new alloyed matrix system that is deposit thickness controllable to between 4 to 25 microns. Importantly the galvanic corrosion cell character created by the inclusion of nickel in the zinc layer allows for excellent longevity of components when specified for atmosphere corrosivity Classes 3 to 5 performance as per the AS/NZS 2312.2 standard.

The coating system is not only compliant to the nominated corrosivity categories detailed in AS/NZS 2312.2 and ISO9223 but as an alloyed zinc electrogalvanized coating *exceeds* the listed "Life to first Maintenance years and severity classifications" as listed for the zinc electrogalvanized coating options within each Class category. The new zinc alloy coating system finds applicable reference with the Australian Standard AS4100-1998 which qualifies coating selection as per the requirements of AS/NZS2312.2 and additionally as per AS3566.2-2002.

This new technology which has been made possible through supported extensive field exposure and artificial corrosion testing creates a uniquely modified Zinc Nickel alloy electrogalvanizing compliant process that can be chosen as an alternative to Hot Dipped Galvanizing or Powder Coated finishing where Durability to Classes 3, 4 and 5 are required to the corrosion rates described in AS/NZS 2312.2

Yours Faithfully,

A handwritten signature in black ink, appearing to read "William Butcher".

William (Bill) Butcher – Industrial Chemist.

**ELITE Surface Technologies Pty Ltd**