



Quality Coating

Temperzone Aluminium & Zinc-coated steel panels treated with Metall Spray 315NS and EcoSeal 800 pass the performance requirements of

**AS / NZ 4506
Atmospheric Classification D
High Marine / Industrial**

Passed

Neutral salt spray resistance testing to AS/NZS 4506:2005 after 1000 hours with undercut < 2mm



Chemetall Laboratory Test Details

product

Metall Spray 315NS / Rinse / EcoSeal 800 / Powder Top Coat

test

Adhesion, Neutral Salt Spray Testing to AS/NZS 4506:2005, and Permeability to AS 3715:2002

Adhesion tests on panels: Samples passed neutral salt spray resistance testing to AS/NZS 4506:2005 after 1000 hours with undercut less than 2mm.

Permeability tests on panels: Pass

report

Chemetall Laboratory Report No. 15-036: Aluminium and Zinc-coated steel panels treated with Metall Spray 315NS and EcoSeal 800 process passed the performance requirements of AS/NZS 4506 for Atmospheric Classification D High Marine/Industrial, and surpasses that for Classification C2 Moderate Exterior. Testing was done in accelerated corrosion cabinets in accordance with AS 2331.3.1 and evaluated as per Appendix J of AS/NZS 4506.

Trevor Green Technical Services Manager, Chemetall (Australasia) Pty Ltd.

Application and Product Descriptions

Stage 1

Fully automated application of Metall Spray 315NS Medium Duty Alkaline Spray Cleaner

Metall Spray 315NS is a liquid alkaline cleaner used for removing mineral and vegetable oils applied during manufacturing processes.

Metall Spray 315NS has application in spray cleaning of various ferrous and non-ferrous metals including aluminium, for removal of oily soils. Commonly it is used prior to final finishing such as painting and powder coating.

Stage 2

Fully automated spray rinse with conductivity controlled town's water, high temperature final stage.

High temperature, high pressure water is sprayed on to the product to rinse off any remaining constituents of the stage one chemical.

Stage 3

Fully automated application of EcoSeal 800 Non-Chrome Seal Rinse

EcoSeal 800 is a 2 part, liquid, environmentally friendly, final seal rinse for iron and zinc phosphate, formulated to out-perform chromated seal rinses.

Because EcoSeal 800 solution is safe on all metals, it is therefore compatible with all phosphate conversion coatings and paint systems.

Non-chromated EcoSeal 800 imparts corrosion and salt spray resistance equal or superior to chromated final rinses and enhances paint adhesion.

Final Process

Dulux Duralloy Polyester Powdercoat

Duralloy is a tough thermosetting powder coating that exhibits decorative and durable characteristics suitable for a broad range of interior and exterior product applications where excellent durability is required and with excellent colour retention.