

PYTHON DURABILITY EXPLAINED

PYTHON's range of fixings has undergone industry-standard testing in order to ensure that their performance aligns with the durability requirements of AS/NZS 2699.1:2000. This document provides technical information on the performance of our fixings following testing at an independent salt spray test facility.



Salt spray chamber image sourced: Weissttechnik

ZINC-NICKEL COATED RANGE

We have produced a line of fasteners that withstand rigorous testing for the most severe environments. Fasteners with Zinc-Nickel coating are able to withstand a 1500 hour salt spray test in accordance with ASTM-B117 and DIN EN ISO 9227 standards. This delivers fasteners that are strong and ductile, as well as providing extreme durability for R4 (Severe Marine) environments.

DURABILITY

- Zinc-Nickel coating
- Aligns with durability performance requirements within exposure categories R0 to R4, Mild, Moderate, Marine & Severe Marine.
- 1500 hour salt spray test duration exceeds duration stipulated for durability requirement R4 in AS/NZS 2699.1:2000



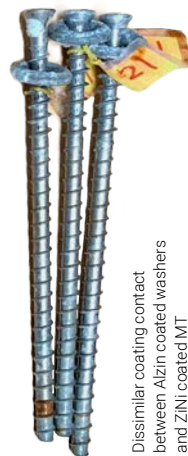
ZiNi coated "out-of-box condition"



ZiNi coated PYTHON C, installed into hard brick and removed



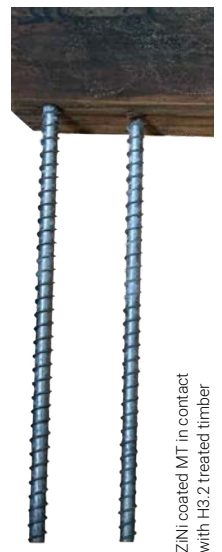
Dissimilar metal test. Stainless Steel washers in contact with ZiNi coated MT and Zinc spray ends



Dissimilar coating contact between Alzin coated washers and ZiNi coated MT



ZiNi coated MT, installed into high-strength concrete panels and removed three times, to test for extreme wearing of the coating



ZiNi coated MT in contact with H3.2 treated timber

PYTHON® Fixings range following 1500 hours of salt spray testing

POWDER COATED RANGE

Our powder coated plates provide enhanced durability for locations near Marine environments. They show no deterioration under a 500 hour salt spray test and minimal surface discoloration at 1500 hours. This barrier coating provides a high degree of corrosion resistance while maintaining the PYTHON plates historical aesthetic.

DURABILITY

- Dulux Duralloy thermo setting powder coated system
- Aligns with durability performance requirement within exposure categories R0 to R3, Mild, Moderate & Marine
- Durability performance proven by 1500 hour salt spray test to ASTM B 117
- 500 hour salt spray test duration corresponds to durability requirement R3 in AS/NZS 2699:1 2000



PYTHON® Starfish Plate



PYTHON® Starfish plate following 1500 hours of salt spray testing



PYTHON® Bullseye Plate