

ZONE DEFINITIONS	EXPOSURE CONDITIONS
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<p>Non-Ventilated</p> <p><i>'Nailplates effectively sealed from outside (eg; closed roof/floor spaces)'</i></p>	
<p>Ventilated</p> <p><i>'Nailplates sheltered from rain but not in a sealed space (eg; garages, open floor space, ventilated roof spaces)'</i></p>	
<p>Exposed</p> <p><i>'Nailplates unprotected from rain'</i></p>	

ZONE	EXPOSURE	MINIMUM CORROSION PROTECTION
Sea Spray Zone Less than 1km from surf coast or 100m from non surf coast.	Non-Ventilated	Galvanised Z275 class
	Ventilated	Stainless Steel 316
	Exposed	Stainless Steel 316
Coastal Zone 1km - 10km from surf coast or 100m - 1km from non surf coast.	Non-Ventilated	Galvanised Z275 class
	Ventilated	Galvanised Z275 Class with Soft Seal (or equivalent) Coating or Stainless Steel 316
	Exposed	Stainless Steel 316 or 600+gsm Hot Dipped Galvanising
Industrial Zone Close to corrosive gases from industrial areas, eg; Newcastle, Port Pirie.	Non-Ventilated	Galvanised Z275 class
	Ventilated	Galvanised Z275 Class with Soft Seal (or equivalent) Coating or Stainless Steel 316
	Exposed	Stainless Steel 316 or 600+gsm Hot Dipped Galvanising
Chemical/Animal/Swimming Pools Chemical plants eg; fertilizers, industrial chemical sites, intensive farming activities eg; piggeries, poultry sheds & swimming pools & any other environments which have corrosive environments to galvanised steel.	Non-Ventilated	Special requirements depending on hazard. Refer to corrosion specialist.
	Ventilated	
	Exposed	
Low Hazard Zone Low corrosive environments not mentioned above.	Non-Ventilated	Galvanised Z275 class
	Ventilated	Galvanised Z275 class
	Exposed	Stainless Steel 316 or 300+gsm Hot Dipped Galvanising

NOTE:

This chart is to be used only to determine the appropriate corrosion protection required for Multinail connectors. Other factors, such as durability of timber and long term structural integrity of connection, are beyond the scope of this document. This chart is only applicable for connectors used with timber which has not been treated with corrosive chemicals, eg; C.C.A. treatments (if C.C.A. treated timber is re-dried before fabrication and kept dry throughout its service life, it may be used with galvanised connectors as recommended in the 'Connector Durability Flow Chart'). L.O.S.P treatments to H2 level may be used with the above chart. However, although L.O.S.P. treatment is not corrosive to galvanised connectors, H3 level treatment may reduce the structural performance of some types of fasteners. Where H3 level treatment is to be used consult Multinail engineers. Unless otherwise noted all Multinail connectors are manufactured using Z275 class galvanized coating.

Care should be taken when designing timber connections exposed to the weather. Some types of connectors may not be effective in circumstances where timber expands and contracts due to weathering. For example the use of stainless steel connector plates and C.C.A. treated timber which is exposed to weather is not recommended. 'Soft Seal' protective coating is a clear spray-on coating which is to be applied to metal connectors after installation. This product is available through CRC Industries Pty. Ltd. To find out details of suppliers in you area contact CRC Customer Service on phone 1800 111 556.