

ANTAI ROOF MOUNT STATEMENT FOR COASTAL INSTALLATION

ANTAI provides robust mounting structure with excellent anti-corrosion performance, the installation is applicable to the high corrosive area, but please take the below measurement:

1. Corrosive category C3 and below, no additional measurement shall be applied.
2. Corrosive category C4, please replace the tapping screw by C4 rated, Buildex® Climaseal® 4 screw is recommended. At the meantime, please decrease the foot spacing to 95%.
3. Corrosive category C5, please replace the tapping screw by C5 rated, Buildex® Climaseal® 5 screw is recommended. At the meantime, please decrease the foot spacing to 80%.

Notice: The anodized film will be expired during the life span, but due to the significant anti-corrosion character of aluminum alloy, the aluminum will naturally grow a dense aluminum oxide film while reacting with the oxidation. The film protects the aluminum from further reaction and corrosion. However, natural grown oxidized layer usually is grey or black color, looks like some pits or marks on products' surface as time goes by, but it will not affect the structural integrity.

Corrosivity in Australia as defined in AS/NZS 2312.2 and described in AS 4312			
Category	Generic examples		Specific examples
CX	Severe surf shore-line	Surf beach shoreline regions with very high salt deposition.	Some Newcastle beaches
C5	Surf Sea-shore	Within 200 m of rough seas & surf beaches. May be extended inland by prevailing winds & local conditions	More than 500 m from the coast in some areas of Newcastle
C4	Calm Sea-shore	From 200 m to 1 km inland in areas with rough seas & surf. May be extended inland by prevailing winds & local conditions.	All coasts
		From the shoreline to 50 m inland around sheltered bays. In the immediate vicinity of calm salt water such as harbour foreshores	
C3	Coastal	From 1 km to 10 km inland along ocean front areas with breaking surf & significant salt spray. May be extended inland to 50 km by prevailing winds & local conditions.	Metro areas of Perth, Wollongong, Sydney, Brisbane, Newcastle, & the Gold Coast
		From 100 m to 3 – 6 km inland for a less sheltered bay or gulf.	Adelaide & environs
		From 50 m to 1 km inland around sheltered bays.	Port Philip Bay & in urban & industrial areas with low pollution levels
C2	Arid/Urban Inland	Most areas of Australia at least 50 kilometres from the coast.	Canberra, Ballarat, Toowoomba & Alice Springs
		Inland 3 – 6 km for a less sheltered bay or gulf.	Adelaide & environs
		Can extend to within 1 km from quiet, sheltered seas.	Suburbs of Brisbane, Melbourne, Hobart
C1	Dry indoors	Inside heated or air conditioned buildings with clean atmospheres.	Commercial buildings