

Why Maddox?

INNOVATIVE COMPOSITE ALLOY ANODE TECHNOLOGY

The Maddox anode is a low-voltage sacrificial anode, specifically designed to effectively protect bronze and stainless steel parts on fibreglass and wooden vessels by creating a more neutral environment in the water around the metal being protected.



Superior Anode Protection

Maddox Anodes offer superior protection against galvanic corrosion for hard metals. Innovative design ensures efficient action without risk of passivation.



Maintain Coating Performance

Maddox Anodes reduce the effects of over protection which cause premature coating failure of underwater metallic coatings to improve performance and efficiencies.



Environmentally Friendly

No cadmium or toxic heavy metals. Maddox is designed for maximum efficiency to reduce anode & coating fallout whilst providing protection against corrosion.

Utilising traditional cathodic protection principals coupled with an innovative approach, Marine Protection Systems are the market leaders in anode technology & education. MPS continues to innovate & educate the market on cathodic protection and corrosion prevention and are passionate about environmental conscience preservation of our waterways.



Maddox Anode

CONFIRMING MADDOX SUITABILITY

Vessel construction: Composite (fibreglass, carbon) & timber

>> Salt and Brackish water only

SUITABILITY GUIDE:



Maddox Anodes will only protect harder (more noble) metals like:

- Stainless steel (304, 316, duplex)
- Bronze (Nibral & Naval)
- Copper
- Limited quantity mild steel (timber vessel with Steel shoe / rudder that is well coated)
- Salt and brackish water



Maddox Anodes will not protect:

- Aluminium hulls, fittings or fixtures
- Gross mild steel structures and hulls
- Will not protect in fresh water

Maddox Anodes create a more neutral effect around the metals it is protecting, resulting from a lower drive potential. It is essential that the bonding system is in excellent condition to ensure appropriate protection is achieved.

BONDING SYSTEM:



Shall have no more than 1ohm resistance between a bonded article and the anode.



Use marine grade-fine strand tinned copper cable (min 6mm², but recommended 10mm² to prevent voltage drop).



Connections be using stainless steel lugs with waterproof heatshrink.



Connections maintained & protected with MPS Conductive Grease.



Confirm health of bonding system annually at a minimum.

See Guide to Bonding at www.marineprosystems.com/resources

