



# 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**

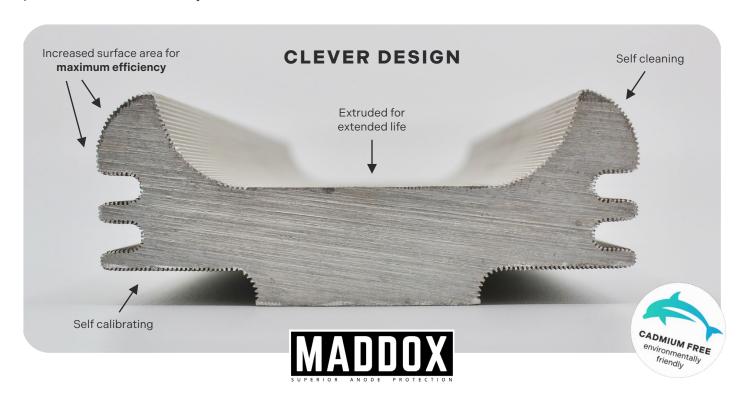
Maddox Anodes reduce the effects of over protection which cause premature coating failure of underwater metallic coatings to improve performance and efficiencies.



### **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 environmentally conscience preservation of our waterways.



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CORROSION CONTROL THAT WORKS





# 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 quanity 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 10hm 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.



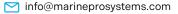
Confirm health of bonding system annually at a minimum.

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



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