

ALUMINUM AQUEOUS ANODES

Sacrificial Anode

In salt water environments, where electrical resistivities are usually quite low, Aluminum anodes are the most economical choice for corrosion protection. These anodes offer higher current efficiency and lower anode consumption than both Magnesium and Zinc in aqueous saline areas, making Aluminum ideal for the protection of ship hulls on oceangoing vessels. Corrpro offers two options of bolt on, cast type III Aluminum anodes in 8"x8"x4" and 8"x8"x2" sizes. The anodes come with a 3/4" mounting hole, allowing you to bolt directly onto the hull or structure. Cast Aluminum anodes are available in Aluminum alloy type III. Alloy type III generates a potential of -1.10V CSE and has a current efficiency rating of 87% in free-flowing water.

To ensure quality, each production run of these anodes is inspected for correct chemical composition through a variety of test. Electrochemical tests are also employed to verify performance characteristics.

The 8"x8"x2" anode weighs 12.5 lbs (5.67 kg). The 8"x8"x4" anode weighs 25 lbs (11.34 kg).

Applications

Corrpro cast aluminum anodes are manufactured for hulls or other internal structures. They are also applicable for use on other saltwater structures. Aluminum alloy type III contains small amount of Indium, Silicon and Zinc. This composition makes the anode especially effective in saline mud and lower chloride water. This alloy is also the recommended protective material for produced water and treatment tanks.

Ordering Information

The cast Aluminum anodes come in 8"x8"x4" and 8"x8"x2" sizes and are readily available from Corrpro. To order the required anode for your structure, indicate you need a cast Aluminum anode and specify the desired quantity and size.



CHEMICAL COMPOSITION

Element	Content%
	Aluminum Type III Alloy
Zn	2.8-3.5
Si	0.08-0.2 max
In	0.01-0.02 max
Al	Remainder

ORDERING PROCEDURE EXAMPLE

Item	Example
Quantity	10
Product	8x8x2



AEGION®
Stronger. Safer. Infrastructure.®

corrpro®

Corrpro Companies Inc., Corrpro Materials Division
10848 – 214 Street, Edmonton, Alberta, Canada, T5S 2A7
Tel: 780-447-4565 Fax: 780-447-3992
E-mail: cpcamaterials@aegion.com
www.corrpro.aegion.com