

Ribbon Anodes

For use in water



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3C Corrosion Control Company AB is Manufacturing Mixed Metal Oxide (MMO) ribbon anodes used especially for Impressed Current cathodic protection Systems.

The standard band anode consists of a titanium ribbon that has been coated with mixed metal oxide coating.

The titanium substrate meets ASTM standard B348, grade 1 or grade 2.

Ribbon anodes are available in standard lengths of 1m with two different sizes (ribbon width) 25.4 and 12.7 mm. Other sizes and current ratings are available upon request.

The MMO coating applied to the titanium ribbon has been designed for use in all cathodic protection applications. The coating consists of $\text{IrO}_2/\text{Ta}_2\text{O}_5$ MMO and is generally accepted by the cathodic protection industry to be satisfactory for both chlorine and oxygen evolving electrolytes.

Based on accelerated life testing conducted by an independent laboratory, the coating has proven to be superior or equivalent to other mixed metal oxide coating currently being used. A copy of this test report is available upon request.

Strict quality control procedures are followed throughout the coating process to insure proper coating adhesion and loading. Production of a quality product makes every step of the manufacturing process fundamental.

MMO anodes have an extremely low consumption rate. The titanium substrate remains constant throughout the design life of the anode.

The 3C ribbon anode is suitable for operations in fresh water, brackish water and sea water.

uPVC housing Dimensions:

Width mm	Length mm	Height mm	Mounting
245	1150	35	M10 Nylon Studs, Washers and Nuts

The ribbon anodes have the following operational characteristics for standard coating loadings in sea water:

Anode Width (net) mm	Anode Length (net) mm	Max. Current Output	Cable Size	Cable Entry
21.4	850	10.9 Ampere	1x10 mm ²	Bottom/Side
10.9	850	5.5 Ampere	1x10 mm ²	Bottom/Side

