



# MMO MESH RIBBON ANODES

PRODUCT DATA SHEET

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Typically, MMO mesh ribbon anode is a key component for impressed current cathodic protection of new build reinforcement concrete structures and existing concrete structures. It has been proved to be a very effective way of controlling corrosion of rebar, particularly in hot and saline conditions.

## QUALITY SUBSTRATE MATERIAL

Our MMO mesh ribbon anodes are manufactured from high-tensile titanium, which meets commercially ASTM B265 Grade I standards.

## CHEMICAL COMPOSITION

Whether operating in soil, mud, fresh water or seawater, mixed metal oxide coatings demonstrate high chemical stability, even in environments with low pH values. Depend on the form of usage, the coatings can be mixed of two or more metal oxides such as iridium oxides ( $\text{IrO}_2$ ), tantalum oxides ( $\text{Ta}_2\text{O}_5$ ) and ruthenium oxides ( $\text{RuO}_2$ ).

We can produce anodes with different nobel metal oxide ratios and differing coating thickness. Based upon accelerated life testing conducted by an independent laboratory, our MMO coating has been proven to be superior to other similar products in the market.

### ■ Ir-Ta Mixed Metal Oxide Catalyst

The Iridium-Tantalum mixed metal oxide catalyst is recommended for use in soil or fresh water, where there is either no chloride ions or low chloride ions present.

### ■ Ir-Ru Mixed Metal Oxide Catalyst

The Iridium-Ruthenium mixed metal oxide catalyst can be used in seawater, brackish water, mud, concrete and any other severe environment conditions including high acidity or in the presence of chlorine or oxygen.

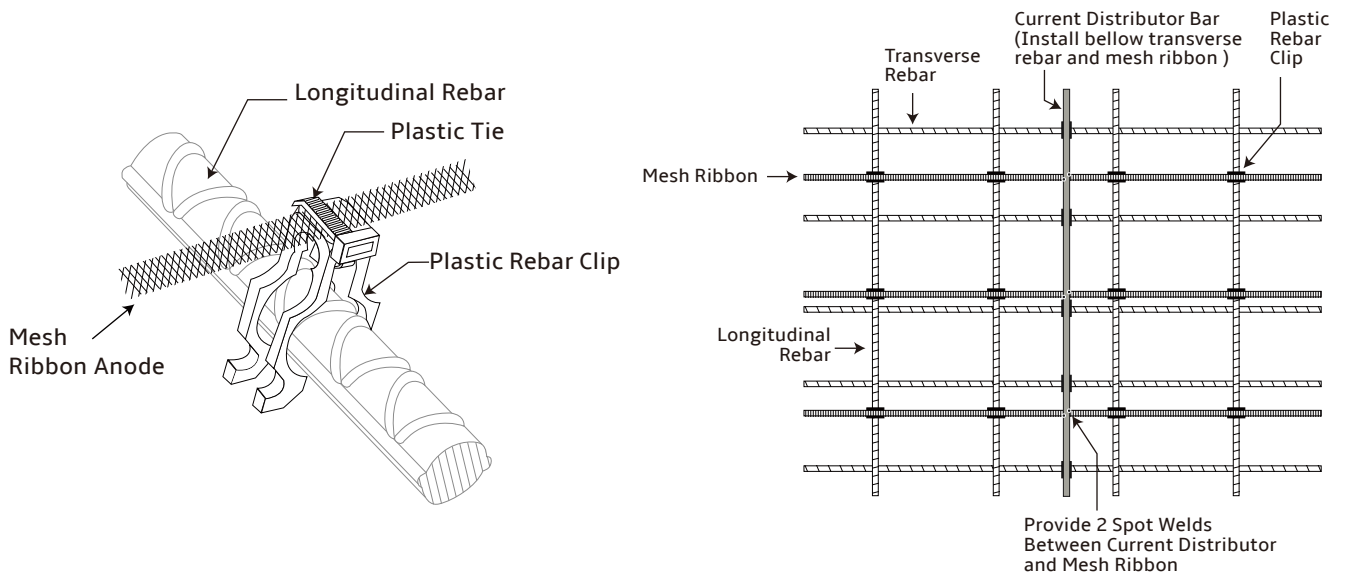
## PRACTICAL APPLICATION

For new build structures, the mesh ribbon anode is simply attached onto the rebar embedded in concrete/mortar before the concrete is poured.

For retrofit applications, the mesh ribbon anode can be inserted into slots cut into the concrete surface.



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## SPECIFICATIONS

Item No.	Width	Expanded Thickness	Mesh Diamond	Coil Length	Current Density	Current Output	Lifetime
YX-MESH-280	10mm (0.4")	1.3mm (0.05")	2.5 x 4.6 x 0.6 mm (0.1" x 0.18" x 0.024")	76m (250 ft.)	110mA/m <sup>2</sup> (10 mA/ft <sup>2</sup> )	2.8 mA/m	100 yrs.
YX-MESH-350	12.7mm (0.5")	1.3mm (0.05")	2.5 x 4.6 x 0.6 mm (0.1" x 0.18" x 0.024")	76m (250 ft.)	110 mA/m <sup>2</sup> (10 mA/ft <sup>2</sup> )	3.5 mA/m	100 yrs.
YX-MESH-530	19mm (0.75")	1.3mm (0.05")	2.5 x 4.6 x 0.6 mm (0.1" x 0.18" x 0.024")	76m (250 ft.)	110 mA/m <sup>2</sup> (10 mA/ft <sup>2</sup> )	5.3 mA/m	100 yrs.
YX-MESH-700	25mm (1")	1.3mm (0.05")	2.5 x 4.6 x 0.6 mm (0.1" x 0.18" x 0.024")	76m (250 ft.)	110 mA/m <sup>2</sup> (10 mA/ft <sup>2</sup> )	7.0 mA/m	100 yrs.







## Industrial Corrosion Control Solutions Provider

Established in 2003, YUXI has over a 20-year heritage of innovation in corrosion control science and technology. We're a spirited team of ambitious thinkers and pioneer sheeps with a common goal in mind: protect our clients' assets from corrosion with cost-saving measures.

We have the most comprehensive catalog of cathodic protection materials including anodes, transformer rectifiers, backfills, coatings, etc. Our anodes and supplies are manufactured to strict quality standards through an ISO 9001 quality management system and are guaranteed to offer excellent performance in the industry.



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