

ProAct™

MMO MESH RIBBON ANODE

PRODUCT DESCRIPTION

The MMO mesh ribbon anode is a key component in impressed current cathodic protection systems for newly constructed and existing reinforced concrete structures.

The mesh anode is used together with titanium conductive sheets. Its highly expanded mesh configuration promotes more uniform distribution of protective current, while the matching plastic clips or expansion rubber plugs allow for quick and convenient installation.

PRODUCT PERFORMANCE

Current Distribution Performance

- The expanded MMO mesh structure provides uniform current distribution, helping to effectively control reinforcing steel corrosion, particularly in hot and saline environments.

Service Life

- Excellent coating adhesion and uniform coating thickness support long-term stable performance and extended service life.



PRODUCT FEATURES

Structural Configuration

- The expanded mesh design allows current output to be adjusted by varying the mesh width or spacing to meet different rebar current requirements.

Installation & Reliability

- Supplied with dedicated plastic clips for fast and convenient installation.

Custom Engineering Capability

- Mesh dimensions and configurations can be customized based on the required service life and application environment.

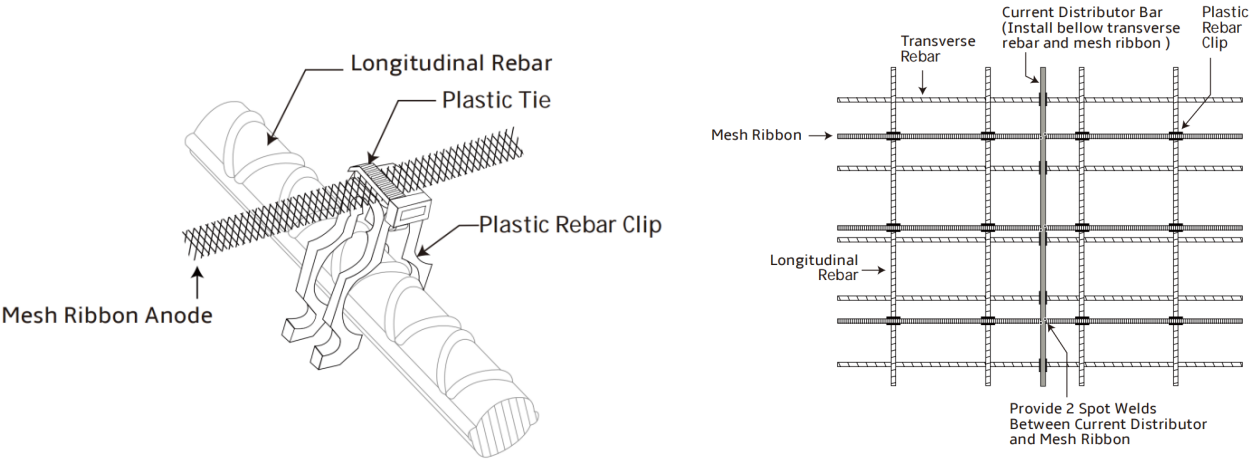
Reference	Title
ASTM B193-02	STANDARD TEST METHOD FOR RESISTIVITY OF ELECTRICAL CONDUCTOR MATERIALS
ASTM B265-25	STANDARD SPECIFICATION FOR TITANIUM AND TITANIUM ALLOY STRIP, SHEET, AND PLATE
NACE RP0285	STANDARD RECOMMENDED PRACTICE CORROSION CONTROL OF UNDERGROUND STORAGE TANK SYSTEMS BY CATHODIC PROTECTION
NACE TM0294	TESTING OF EMBEDDABLE IMPRESSED CURRENT ANODES FOR USE IN CATHODIC PROTECTION OF ATMOSPHERICALLY EXPOSED STEEL-REINFORCED CONCRETE
EN 12954-2001	CATHODIC PROTECTION OF BURIED OR IMMERSSED METALLIC STRUCTURES - GENERAL PRINCIPLES AND APPLICATION FOR PIPELINES
EN 13636-2004	CATHODIC PROTECTION OF BURIED METALLIC TANKS AND RELATED PIPING

PRODUCT PARAMETERS

Chemical Composition								
Standard	Fe %	C %	N %	H %	O %	Other Impurities (Single)%	Other Impurities (Total)%	Ti %
ASTM B265 Gr. 1	<0.20	<0.08	<0.03	<0.015	<0.18	<0.1	<0.4	Remainder
Electrochemical Properties								
At a rated current density of 110 mA/m ² , the service life is more than 100 years.								
Coating								
Coating crystal density is 6-12 g/cm ³ , coating resistivity is 9-11 mΩ·cm								
Coating Thickness								
≥ 2.0 μm								

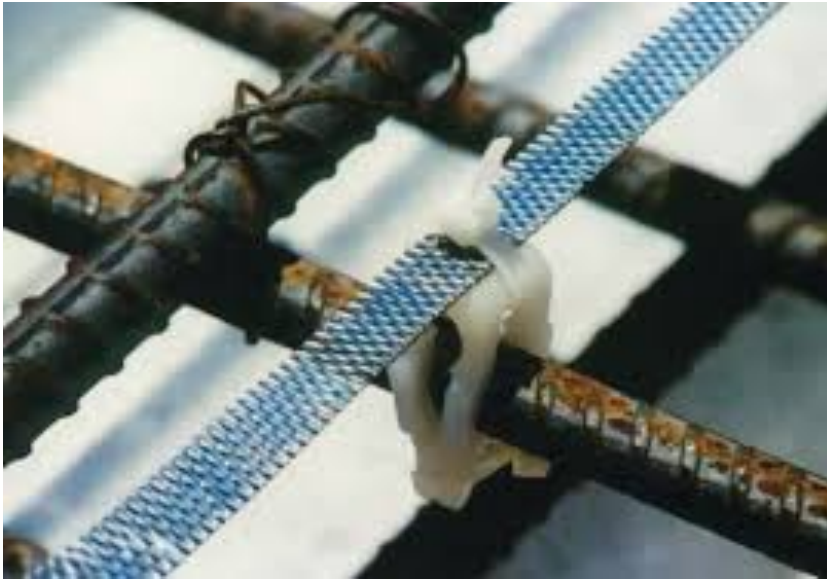
MODELS AND SPECIFICATIONS

Model	W	T	L	Mesh Size	Current Output	Life
AT-MMO-M10-76	10 mm	0.6 mm	76 m	2.5*4.6 mm	2.8 mA/m	100 years
AT-MMO-M13-76	13 mm	0.6 mm	76 m	2.5*4.6 mm	3.5 mA/m	100 years
AT-MMO-M19-76	19 mm	0.6 mm	76 m	2.5*4.6 mm	5.3 mA/m	100 years
AT-MMO-M25-76	25 mm	0.6 mm	76 m	2.5*4.6 mm	7.0 mA/m	100 years



ProAct™

MMO MESH RIBBON ANODE



For further information, please contact Advance Technology.



Canada

290 North Queen St
Suite 208,
Etobicoke, Ontario
Canada, M9C 5L2

Phone: + 1 416 433 3186

advance-technology.com
consult@advance-tech.ca