



Pre-packaged Magnesium Anode

YX Anodes choose high efficiency (more than 50%) bare magnesium anodes to be packaged in a permeable cotton bag or cardboard carton with backfill mixture and then firmly wrapped in a PE bag or paper outer lining for storage.

Office: +86(574)8388 2233

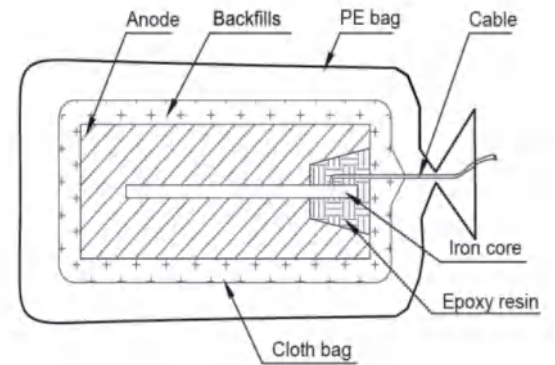
Dongxi, Xinqiao, Xiangshan
Ningbo 315725, P.R.China

info@yuxi-anode.com

www.yuxi-anode.com

APPLICATION

- ▶ Buried transmission pipelines
- ▶ Under ground tanks
- ▶ Under ground tower structure
- ▶ Other steel structure in soil and brackish area



FEATURES



- ▶ High current efficiency
- ▶ Uniform consumption
- ▶ High potential
- ▶ High current capacity

CHEMICAL COMPOSITION

Backfill Mixture Composition	Hydrated Gypsum	75%
	Bentonite	20%
	Sodium Sulphate	5%
Application Environment		$\geq 20 \Omega.m$

YX Anodes backfill is made of naturally degradable and recyclable materials, which are less harmful and more environment friendly compared with the industry standards:

- Cadmium \leq 1 ppm
- Arsenicum \leq 1 ppm
- Mercury \leq 1 ppm
- Phosphorus \leq 10 ppm

Other special mixture composition are available per request.

Cable Connection

Standard lead Cable:

10 feet of #12 AWG Solid THHN/THWN.

Other cable types and colors are available.

Welding process:

The cable is connected by direct brazing.

Sophisticated welding processing done by semi-automatic machine to ensure the high tensile strength and low resistance.

45% silver-based brazing or welding connection methods are available upon special request.

ELECTROCHEMICAL PROPERTIES

Anode Model	ASTM B843-M1C	ASTM B843-AZ63B
Open Circuit Potential (-V)	1.70~1.75	1.50~1.55
Close Circuit Potential (-V)	1.58~1.62	1.45~1.50
Current Capacity	500A.h/lbs (1100A.h/kg)	550A.h/lbs (1230A.h/kg)
Current Efficiency	50%	55%
Reference Electrode	Open/Close circuit potential is with respect to a saturated calomel reference electrode	

SPECIFICATIONS

Anode Model	Anode Weight		Pre-packaged Anode Dimension	
	Bare	Pre-packaged	Diameter	Length
YX-MG-B5D3	5lbs (2.3kg)	19.8lbs (9kg)	6.3" (160mm)	11.80" (300mm)
YX-MG-B9D3	9lbs (4.1kg)	35.0lbs (16kg)	6.3" (160mm)	21.65" (550mm)
YX-MG-B17D3	17lbs (7.7kg)	48.5lbs (22kg)	6.3" (160mm)	30.70" (780mm)
YX-MG-B20D2	20lbs (9.1kg)	84.0lbs (38kg)	5.5" (140mm)	65.00" (1650mm)
YX-MG-B32D5	32lbs (14.5kg)	66.0lbs (30kg)	8.0" (200mm)	26.80" (680mm)
YX-MG-B40D3	40lbs (28.2kg)	88.0lbs (40kg)	6.3" (160mm)	63.00" (1600mm)
YX-MG-B48D5	48lbs (21.8kg)	100lbs (45kg)	8.0" (205mm)	37.80" (960mm)
YX-MG-B50R8	50lbs (22.7kg)	114.5lbs (52kg)	11.0" (280mm)	22.80" (580mm)
YX-MG-B60S4	60lbs (27.3kg)	150lbs (68kg)	7.5" (190mm)	65.00" (1650mm)
YX-MG-B60D4	60lbs (27.3kg)	150lbs (68kg)	7.5" (190mm)	65.00" (1650mm)

