

MAGNESIUM RIBBON ANODE



DATASHEET

MAG RIBBON ANODE



Magnesium Ribbon Anodes are used to achieve cathodic Protection of well coated buried pipelines, internal protection of water tanks, pipeline casing sleeves, AC Mitigation and temporary cathodic protection. Suitable for use in soils and fresh water.

SPECIFICATION

Coil Length :	305m
Weight of Ribbon :	0.337kg/m
Size Of Ribbon :	19.05mm x 9.52mm
Diameter of Steel Core :	3mm

CHEMICAL COMPOSITION

Manganese :	0.5 - 1.3%
Aluminium :	0.01% max
Copper :	0.02% max
Iron :	0.03% max
Nickel:	0.001% max
Total of any other single impurity :	0.05% max
Total of all other impurities :	0.30% max
Magnesium :	Remainder

ELECTRICAL PROPERTIES

Open circuit potential (Cu/CuSO ₄ reference) :	-1.75 Volts
Closed circuit potential :	-1.58 to -1.62 Volts
Capacity :	1,290 Amp.hour/kg

TYPICAL CURRENT OUTPUTS

In seawater (25 Ohm.cm) :	2.5 A / linear m
In Soil (5000 Ohm.cm) :	12mA / linear m
In Fresh Water (15000 Ohm.cm) ;	4mA / linear m

BAC[®]

CORROSION CONTROL

BAC Corrosion Control Ltd
Stafford Park 11 • Telford • TF3 3AY
United Kingdom

T: +44 (0) 1952 290 321
E: sales@bacgroup.com
W: www.bacgroup.com