

Product Datasheet: Magnesium Anodes

Magnesium sacrificial anodes are available in a range of standard sizes with packaging and cable tail options. Standard sizes are 4, 8, 10 & 12 Kg

COMPOSITION: magnesium alloy includes Aluminium, Manganese, Zinc, Silicon, Copper, Nickel and Iron in controlled proportions. There is an option of M1 (high potential or M3 (low potential) grade. Anodes meet AS 2239-2003.

CABLE: magnesium anodes are typically tailed with double insulated, PVC, 6mm² cable (Single Core Double Insulated). Inner sheath colour is red in compliance with AS 2239-2003. Standard cable length is 8 meters. Refer to the part number generator on Page 2 for all available cable options. Contact our sales office for current stock information.

PACKAGING: Packaged anodes are supplied in a calico bag filled with gypsum bentonite backfill to provide a low resistivity environment for improved anode performance.

A polythene tube wrap is supplied for protection in transit, to be removed prior to installation. Transport in wooden crates is strongly recommended.



ANODE WEIGHTS & DIMENSIONS:

Size (Kg)	Bare Anode Dimensions (mm)			Packaged Dimensions (approximate) (mm)			Cable	Weight	
	Width	Height	Length	Width	Height	Length		Bare Anode (Kg)	Packaged Anode (Kg)
12	65	65	1500	105	1050	1700	SEE PART NUMBER TABLE FOR OPTIONS	12	36
10	100	112	520	200	215	620		10	14.5
8	50	50	1500	85	85	1700		8	25
4	50	50	750	85	85	850		4	13

PART NUMBER GENERATOR

Anode Material	Anode Weight (Kg)	Packaging Option	Cable Type	Cable Colour	Cable Size	Cable Length (m)
<i>AEMH</i> = High Potential Magnesium (M1) (1) <i>AEML</i> = Low Potential Magnesium (M3) (1)	<i>04</i> - 4kg <i>08</i> - 8 Kg <i>10</i> - 10 Kg <i>12</i> - 12 Kg	<i>BA</i> - Bare <i>PK</i> - Packaged	<i>000</i> - No cable <i>PNP</i> - PE/Nylon/PE (2) <i>SSI</i> - PVC Single Insulated <i>SDI</i> - PVC Double Insulated SDI (3)	<i>00</i> - No cable <i>RD</i> - Red <i>BL</i> - Blue (4) <i>BK</i> - Black	<i>00</i> - No cable <i>06</i> - 6mm2 <i>16</i> - 16mm2	<i>00</i> - No cable <i>xx</i> - Number of meters required: 01 to 99
<i>Select option code above and enter into box below to create Part Number</i>						
<i>AEMx</i>	<i>xx</i>	<i>xx</i>	<i>xxx</i>	<i>xx</i>	<i>xx</i>	<i>xx</i>

Example: M8 Low Potential Packaged anode with 20meters of 6mm2 SDI Red cable

AEML *08* *PK* *SDI* *RD* *06* *20*

Notes:

- (1) Standard stock is Low Potential (M3) except M12
- (2) Black only,
- (3) Red only
- (4) Blue is not AS compliant – special order only

RELATED PRODUCTS available from Anode Engineering

Test Point Assemblies, Cables, Thermoweld Charges & Moulds, Permanent Reference Cells, Warning Tapes & Signs, Ground Bed Watering & Venting Pipe.

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