

SACRIFICIAL CP SYSTEM

In Sacrificial CP System Magnesium and Zinc anodes are pre-packaged in cotton bag with low resistivity backfill materials such as bentonite, gypsum and sodium sulphate, these backfill materials prevent anode direct contact with soil, this reduces and prevent localized corrosion of anode, also prevents anode passivation caused by the reaction with soil salts, provides low resistivity environment around the anode, during wetting of the anodes, it expands and eliminates air voids.

GENERAL SPECIFICATIONS

Chemical Composition	Magnesium	Zinc
Hydrated Gypsum	75 %	50 %
Bentonite Clay	20 %	50 %
Sodium Sulphate	5 %	-

IMPRESSED CURENT CP SYSTEM

In Impressed current Cathodic Protection anode backfill materials such as carbon are used around the anode for under ground applications, the main purpose of anode backfill materials are as follows

- Reduce the anode contact resistance with the environment
- Increase the anode surface, this results in increase in amount of current from anode
- Anode consumption reduced, backfill carbon becomes part of anode

GENERAL SPECIFICATIONS

Element	For Loresco SC-3/SC-2
Fixed Carbon	99.35% Min
Ash	0.6% Max
Moisture	0.05%
Volatiles	0%(950°C)

