

Packaged Zinc Cell Data Sheet

Specialist Pipeline Materials

Zinc Reference Cell Specification

Corrpro Companies Europe Ltd have in house manufacturing facilities to make to order packaged Zinc Reference Cells for the oil and gas industry. Corrpro can supply many configurations of Zinc Reference Cells with various cable specifications.

CHEMICAL COMPOSITION (WT%)

Element	Minimum	Maximum
Zinc	Remainder	
Aluminium	0.1	0.5
Copper	-	0.005 max
Iron	-	0.005 max
Lead	-	0.006 max
Cadmium	0.025	0.07

OTHER TECHNICAL INFORMATION

Cross Section of anode	50mm x 50mm	+/-5%
Length of anode	470mm	+/-2.5%
Net Weight of anode	8.1kg	+/-5%
Capacity	780 A/Hr/Kg	
Shelf Life	25 years	
Anode Open Circuit Potential	-1.050Volts w.r.t. Cu/CuSO4 reference cell	
Anode Consumption Rate	11.24 Kg/Amp-Yr. Max.	
Anode Insert core	MS Round Bar 12mm	
Anode Cable Connection	Silver Soldered connection	
Anode tail Cable Conductor Size	Copper 1C X 25 sq mm (standard) x 10m	
Cable Insulation and Sheathing	MICA Tape / LSZH outer sheath	
Anode Cable Joint Insulation	Epoxy Sealed.	
	Gypsum 75% + Bentonite 20% + Sodium	
Backfill Mixture for Mg Anodes	Sulphate 5%	
Pre-packed Anode Dimensions	127mm Dia x 915mm Length	
Pre-packed Anode Gross Weight	32 Kgs (Min)	

For a full stock list, description & availability please visit: www.corrpro.co.uk