

# TECHNICAL DATA

## ***CORAL A SPECIAL GRADE***

### ***Al-In-Zn alloy***

CORAL A Special Grade is the preferred chemical composition of the major oil and offshore operator companies for deep water use.

The chemical composition and performance data of CORAL 'A' Special Grade alloy are as follows:

<b><u>Elements</u></b>	<b><u>Analysis (% by weight)</u></b>
Zn	4,75 – 5,5
In	0,016 – 0,020
Cu	max. 0,0030
Fe	max. 0,06
Si	max. 0,08 - 0,12
Cd	max. 0,0020
Others (each)	max. 0,020
Others (total)	max. 0,050
Al	Remainder

**Specific gravity** 2,78 kg/dm<sup>3</sup> (theoretically)

### **Performance data in ambient sea water**

Capacity	2585 Ah/kg
Consumption rate	3,39 kg/A.yr
Closed circuit potential	-1,09 volt v.s. Ag/AgCl/sea water

### **Performance data in sea bottom sediments (mud)**

	<u>0-20°C</u>	<u>40°C</u>	<u>60°C</u>	<u>80°C</u>
Capacity (Ah/kg)	2400	1750	1150	600
Consumption rate (kg/A.yr)	3,65	5,00	7,62	14,6
Closed circuit potential (volt v.s. Ag/AgCl/sea water)	-1,05	-1,03	-1,01	-1,00