

Chemistry and corrosion of lead and its alloys.

University of London - The Corrosion Properties of Aluminum and Its Alloys



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Alloys

Pourbaix diagram for aluminum showing the regions of corrosion, immunity and passivation of aluminum at 25°C. When the correct materials have been used, galvanic corrosion is not normally a problem; however, the poor shear strength of titanium alloys means that it is not suitable for use as fasteners, so there may be times when the production of a galvanic couple is unavoidable.

Brass Alloy Additives and Properties

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Galvanic Corrosion

Corrosion by reactions of an oxidizing gas can occur at elevated temperatures without the presence of a liquid electrolyte. .

The Corrosion Properties of Aluminum and Its Alloys

Yet serious corrosion was encountered and has slowed down the utilization of biomass energy in electricity production.

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