

activation

in electrochemical corrosion

The process of transition from the passive to the active state by removal of the passivating film. A necessary condition for activation is an electrode potential negative to the equilibrium potential of formation of the passivating film. Activation is achieved by cathodic currents, by a reduced substance in the adjacent solution, or by contact with an electronic conductor having a suitably negative corrosion potential.

See also: passive state, active state

Source:

PAC, 1989, 61, 19 (*Electrochemical corrosion nomenclature (Recommendations 1988)*) on page 21