

passivation potential

in electrochemical corrosion

The most negative electrode potential at which the passivating film is formed. The passivation potential is equal to or more positive than the equilibrium potential of formation of the phase constituting the film. Usually, the corrosion current goes through a maximum at the passivation potential.

See also: corrosion, passive state

Source:

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