

passive state

in electrochemical corrosion

The passive state is characterized by a contiguous 'passivating film' of solid corrosion products separating the metallic phase from the adjacent electrolyte. Corrosion in the passive state involves growth of the passivating film and/or transfer of metal ions through the film into the electrolyte.

Source:

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