

## immobile adsorption

A situation in which the freedom of molecules of adsorbate to move about the surface is limited. Adsorption is immobile when  $kT$  is small compared to  $\Delta E$ , the energy barrier separating adjacent sites. The adsorbate has little chance of migrating to neighbouring sites and such adsorption is necessarily localized.

**Source:**

PAC, 1976, 46, 71 (*Manual of Symbols and Terminology for Physicochemical Quantities and Units - Appendix II. Definitions, Terminology and Symbols in Colloid and Surface Chemistry. Part II: Heterogeneous Catalysis*) on page 76