

activated adsorption process

If the temperature coefficient of the rate of adsorption is substantial, an adsorption process is said to be activated (i.e. to have a significant activation energy). In this case, the sticking coefficient is small. In general, the activation energy of activated adsorption is a function of coverage and it usually increases with increasing coverage.

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 79