

Adsorption of water on various clean smooth solid surfaces as a function of humidity

p_0 is the saturation vapour pressure at the temperature of the experiment. $-\ln(p/p_0) = 0.01$ corresponds to $p/p_0 = 0.99$. The thickness t at low vapour pressures (p/p_0 greater than 1) is linear with p .

Water adsorbs to about 1 monolayer of thickness on silicon near 60% humidity.

