Supporting Information

Designing Ultra-Low Hydrate Adhesion Surfaces by Interfacial Spreading of Water-Immiscible Barrier Films

Arindam Das[†], Taylor A. Farnham[‡], Srinivas Bengaluru Subramanyam[§], Kripa K. Varanasi^{*}

Department Mechanical Engineering, Massachusetts Institute of Technology,

77 Massachusetts Ave., Cambridge MA, 02139, USA.

* Email: varanasi@mit.edu

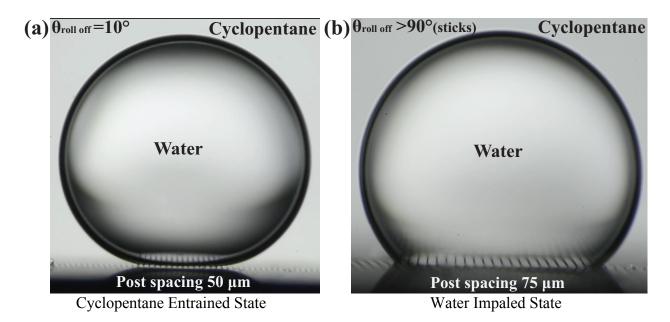


Figure (a) and (b) show water droplets inside the cyclopentane environment at (a) Cyclopentane entrained and (b) water impaled states on textured FS surfaces of 50µm and 75µm post spacing respectively.