Supplemental information

Unusual morphologies of poly(vinyl alcohol) thin films adsorbed on polydimethylsiloxane substrates

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Figure 1S. a-x) Optical microscopy time-lapse images of in-situ PVOH\textsuperscript{99\%} adsorption on PDMS\textsuperscript{2k} taken every hour over a 23-h period. Spots are due to dust particles on the camera lens.
Figure 2S. a-x) Optical microscopy time-lapse images of in-situ PVOH\textsuperscript{99%} adsorption on PDMS\textsuperscript{49k} taken every hour over a 23-h period.
Figure 3S. TEM images of thicker PVOH regions (PVOH$_{99\%}$ on the left and PVOH$_{88\%}$ on the right) where electron diffraction patterns were obtained.
Figure 4S. a-x) Optical microscopy time-lapse images of *in-situ* desorption of PVOH\textsuperscript{99%}-PDMS\textsuperscript{49k} taken every hour over a 23-h period.
Figure 5S. Advancing and receding water contact angles of PVOH$^{99\%}$ and PVOH$^{88\%}$ thin films adsorbed on PDMS$^{2k}$ (top) and plasma treated PDMS$^{49k}$ (bottom) substrates as a function of time.