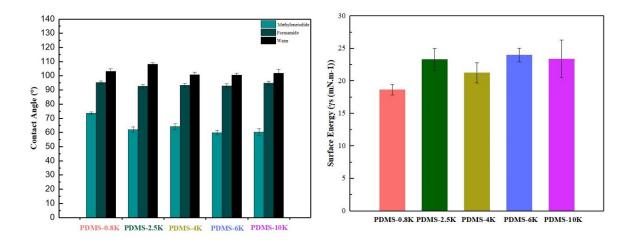
## **Supporting information**

**Figure S1:** Contact angle measurement with different solvents (a) and surface energy calculation (b) of PDMS-based coatings (Reprinted with permission of reference 11)



**Figure S2**: Solid-state <sup>29</sup>Si NMR spectra for PDMS films obtained with different molecular weight.

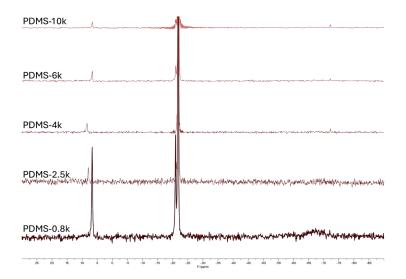


Figure S3: Fit by the JKR model for the nanoindentation data of PDMS-0.8K and PDMS-4K.

