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Supporting Information

Facile Synthesis of Fluorinated Polysilazanes and Their Durable Icephobicity on Rough Al Surfaces

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Sand impact test

The mechanical durability of the superhydrophobic surfaces was evaluated and the durability of the FPSZ coatings on micro-nanostructured Al surfaces was compared with that of the FAS-17 coating. Sand impact tests were performed by dropping 10 g of sea sand (100–300 μm) onto the tilted substrate surface (tilt angle of 45°) for 1 min from a 30 cm height above the substrate [S1].

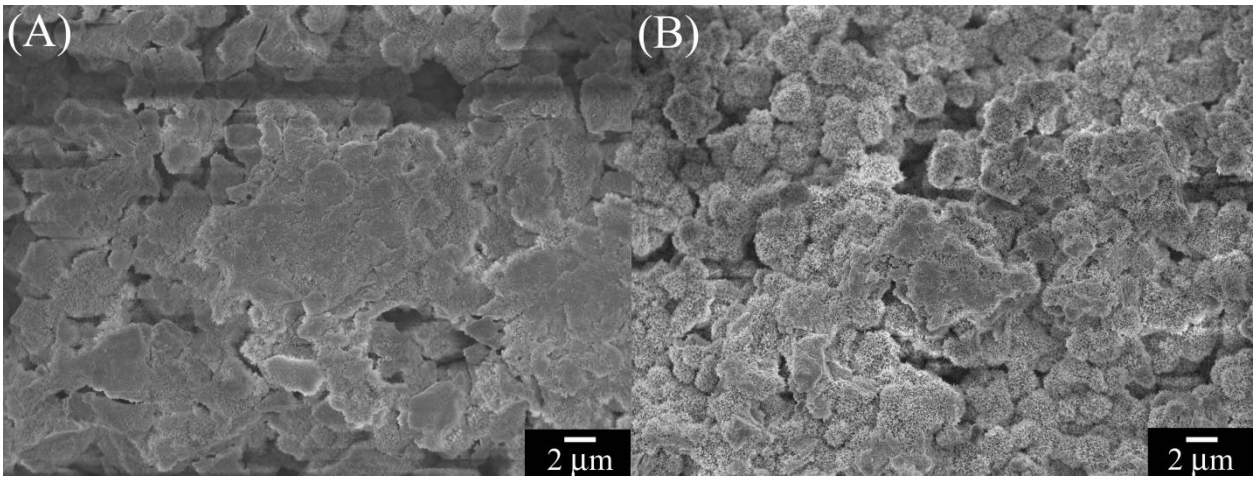

Figure S1. SEM images of (A) FAS-17– and (B) $FPSZ_{17.3}$-coated Al samples after sand impact.

Reference

[S1] Y. Zhang, D. Ge, S. Yang, Spray-coating of superhydrophobic aluminum alloys with enhanced mechanical robustness, J. Colloid Interface Sci. 423 (2014) 101–107. https://doi.org/10.1016/j.jcis.2014.02.024.