

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Underwater place-and-pick experiment at 40 °C. The as-prepared adhesive coating was first decorated on a heat conducting aluminum sheet whose temperature was controlled by a hot plate. At 40 °C, we approached the adhesive to a copper block (200 g). After about 10 s contact time, the copper block was able to be picked up by the adhesive coating.

File Name: Supplementary Movie 2

Description: Underwater place-and-pick experiment at 25 °C. When the local temperature was changed to 25 °C, the specimen cannot be picked up by the adhesive coating due to the supramolecular screening effect.