

The Gloss Values of the Synthesized Epoxy Coatings

Gloss of the sample surface was measured using a laboratory glossmeter (Zehntner, ZLR 1050, Hoelstein, Switzerland). Reflectance was measured at an incidence light angle of 85° from the normal to the sample surface. Gloss was reported as gloss units (GU). Taking the example of EE-0 and EE-10 coatings, the gloss value is 100 GU and 97 GU, respectively. Therefore, the coatings could be considered a high gloss surface. However, the gloss values decrease to almost zero for both HEE-0 and HEE-10 coatings, indicating the replicated multi-scale structure on the coatings' surface significantly reduced the gloss of the coatings.

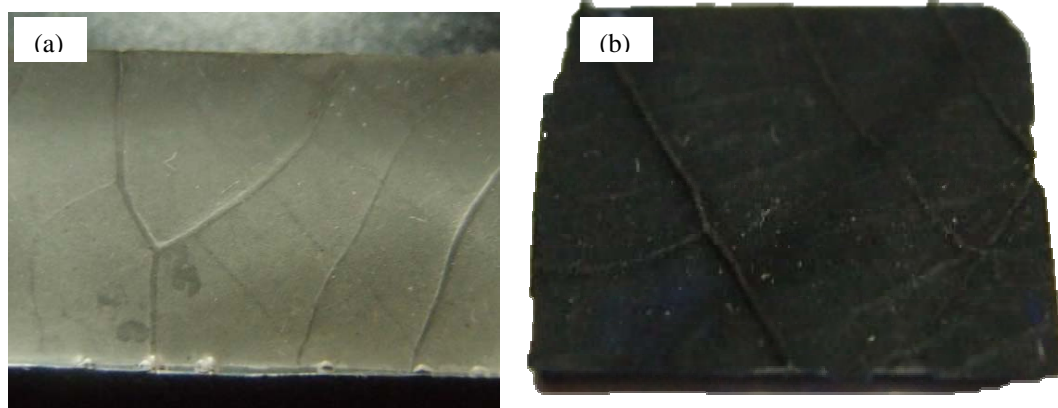


Figure S1. Photography's images of hydrophobic epoxy coatings with the multiscale-structure on their surfaces. (a) HEE-0; (b) HEE-10