

Supplementary information

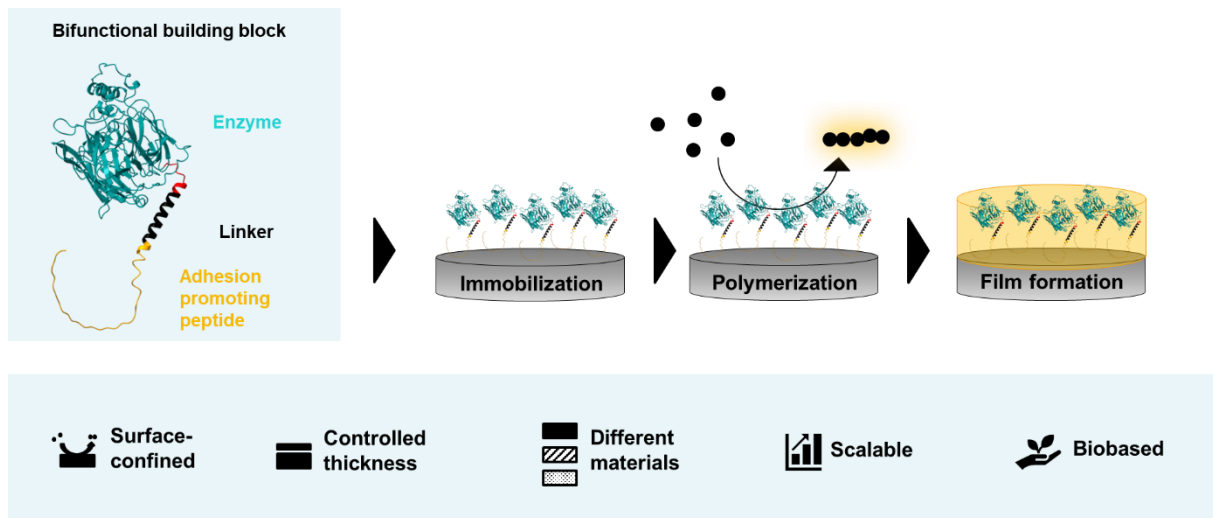


Figure 1: Schematic illustration of the enzymatic coating method. The fusion protein, or bifunctional building block, consists of an enzyme, a linker and an adhesion promoting peptide. Upon immobilization on the material surface, the enzyme catalyzes the polymerization reaction, leading to the formation of a film.



Figure 2: Validation of the scalability of the enzymatic coating method by coating a stainless-steel plate measuring 30 × 100 × 0.02 cm.