

Supporting Information

Self-healing and Highly Transparent Films Based on Dynamic Schiff Base Linkage

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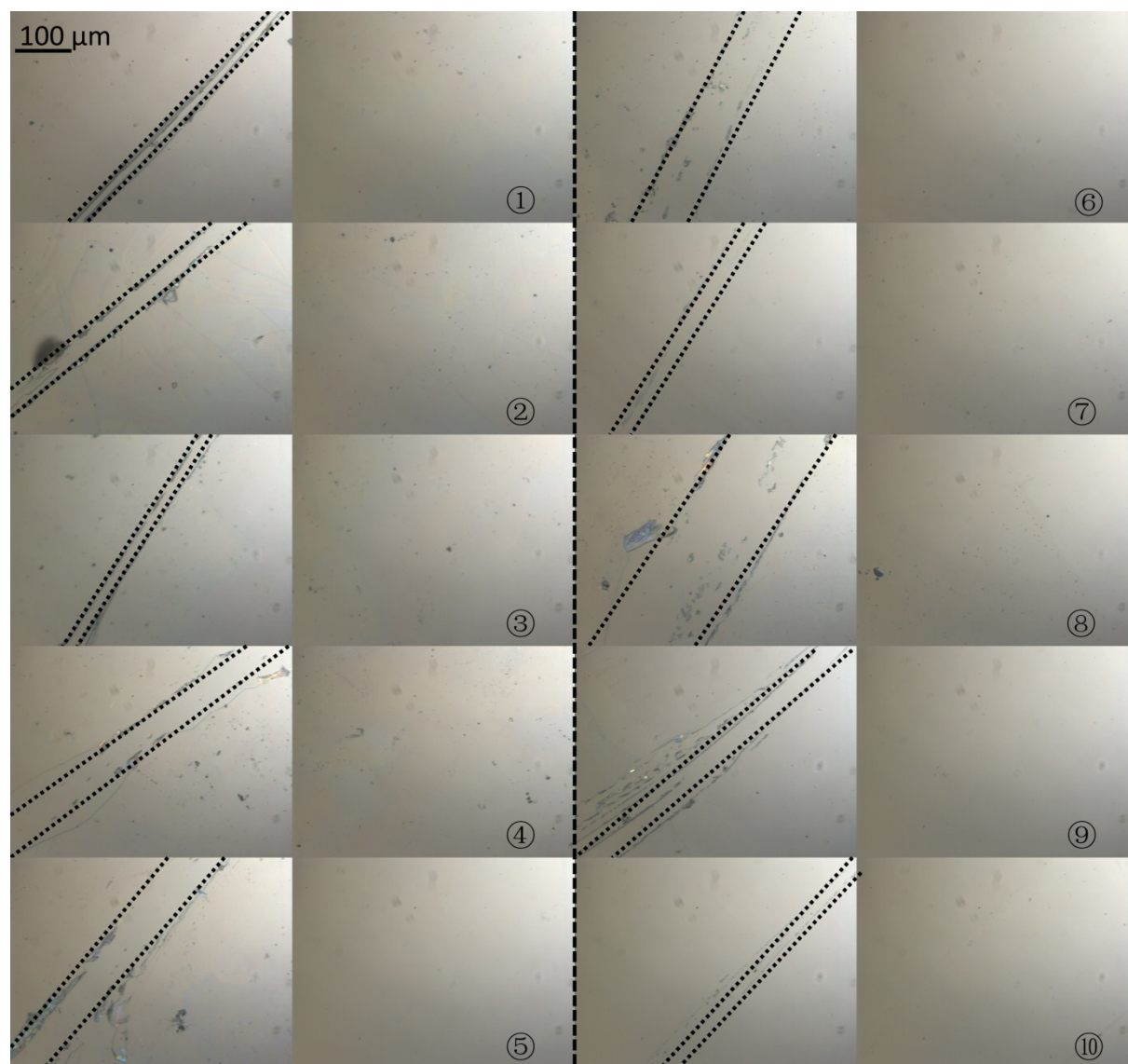


Figure S1. Ten cycles of damage/healing process

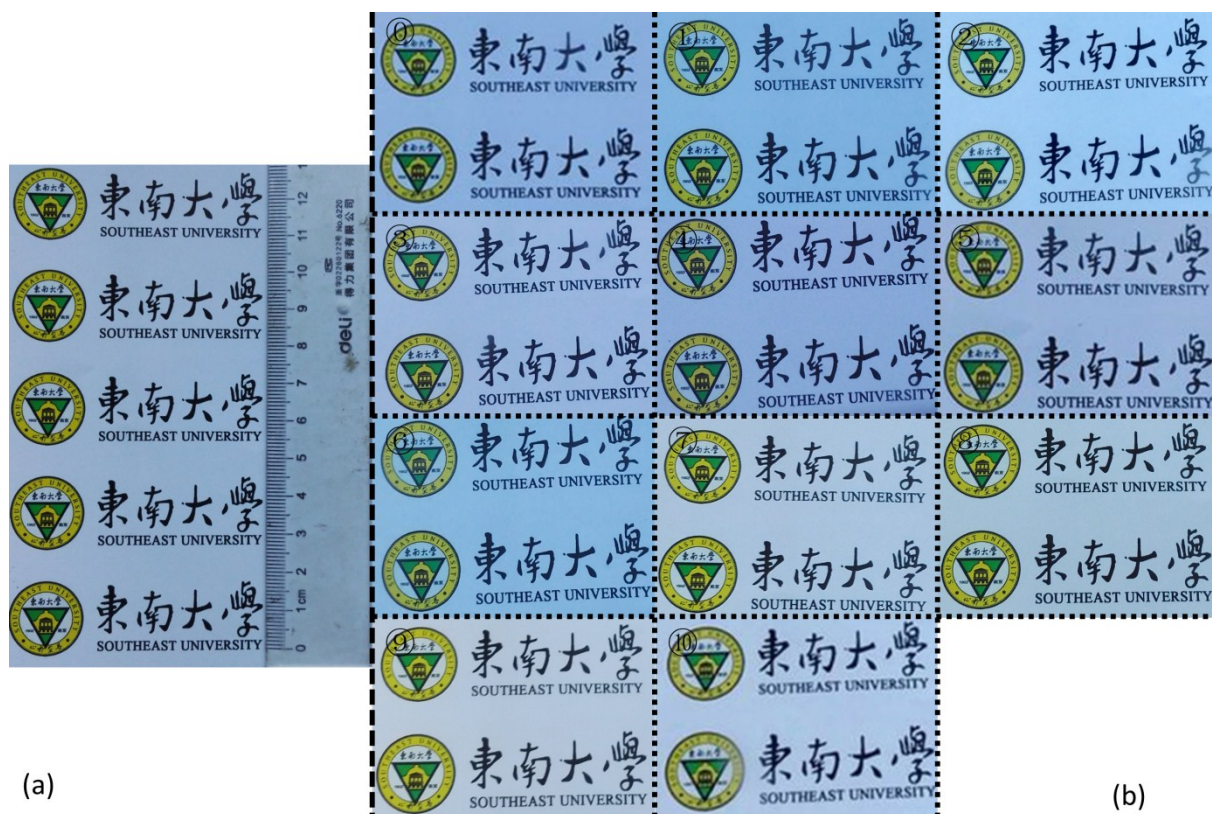


Figure S2. (a) Photograph of the picture; (b) the picture behind the prepared (CS/DF-PEG)₁₅ film (⊙) and the picture behind (CS/DF-PEG)₁₅ film healed different times (①-⑩).

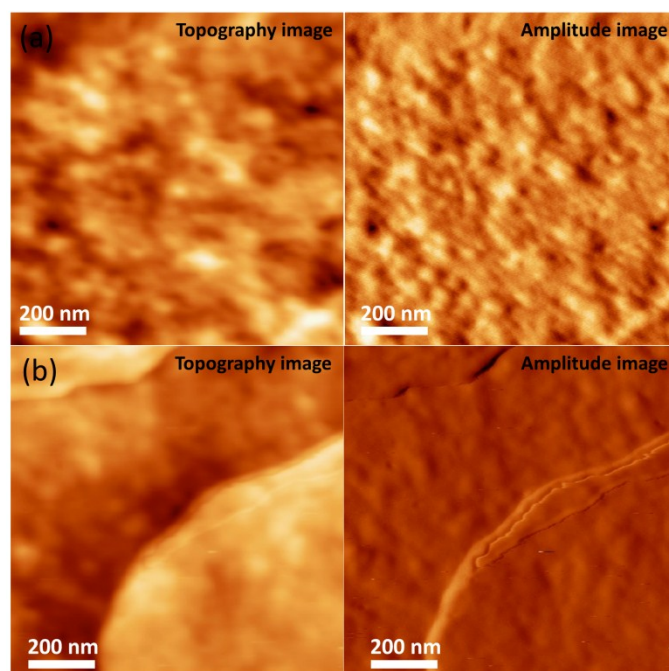


Figure S3. The AFM images of (a) the original (CS/DF-PEG)₁₅ film and (b) the healed (CS/DF-PEG)₁₅ film undergoing ten damage/healing processes.

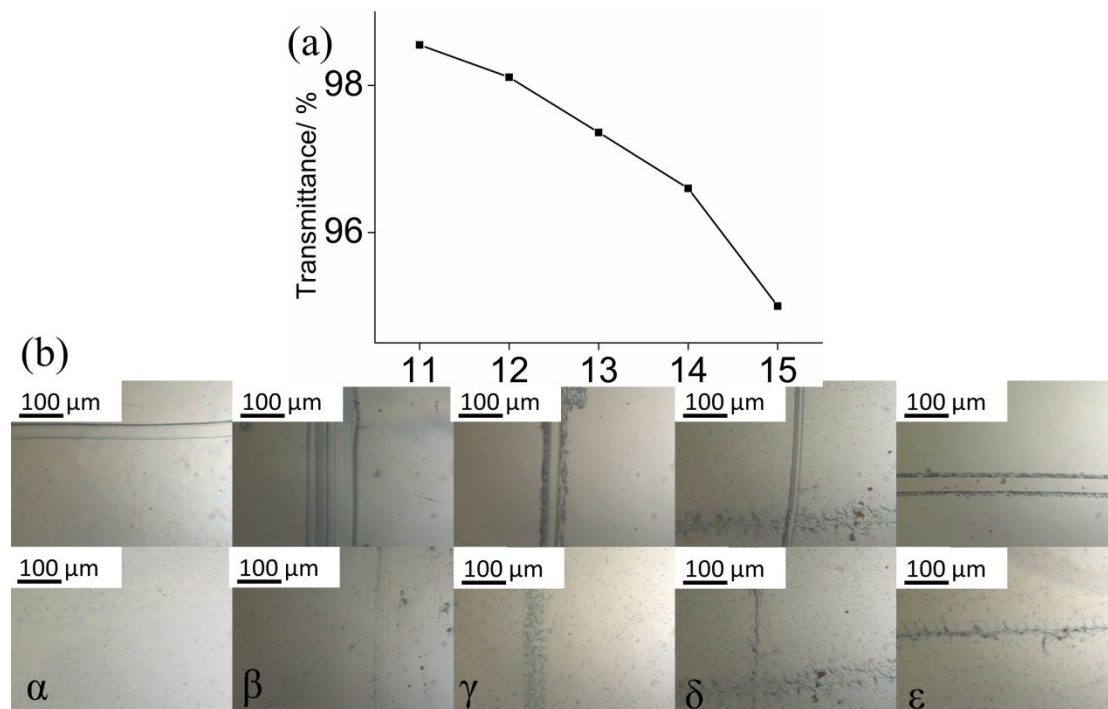


Figure S4. (a) Transparency property and (b) self-healing property of the (CS/DF-PEG)₁₅ film undergoing eleventh to fifteenth damage/healing process