

Supporting Information

The Post-Curing of Waterborne Polyurethane–Acrylate Composite Latex with the Dynamic Disulfide–Bearing Crosslinking Agent

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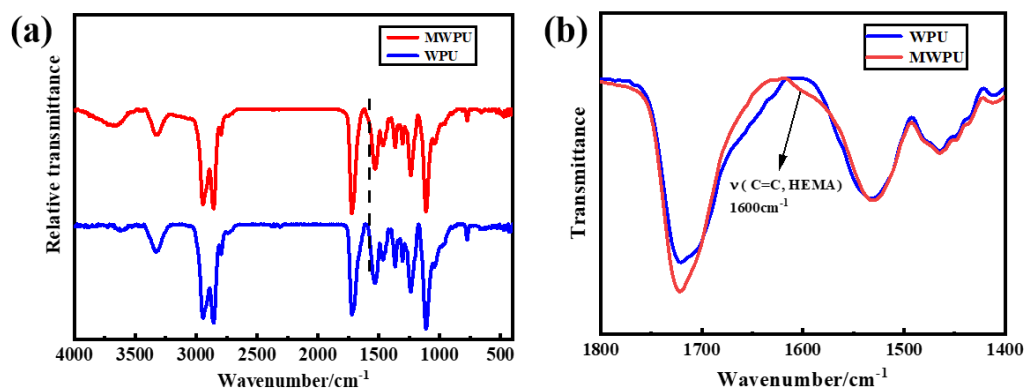


Figure S1. (a) The FTIR spectra of MWPU and WPU. (b) The zoom-in spectra of MWPU and WPU.

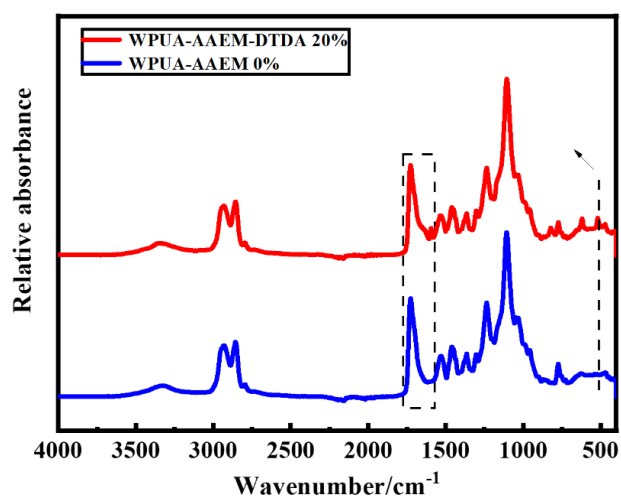


Figure S2. ATR-FTIR spectra of WPUA-AAEM 0% and 20% films.

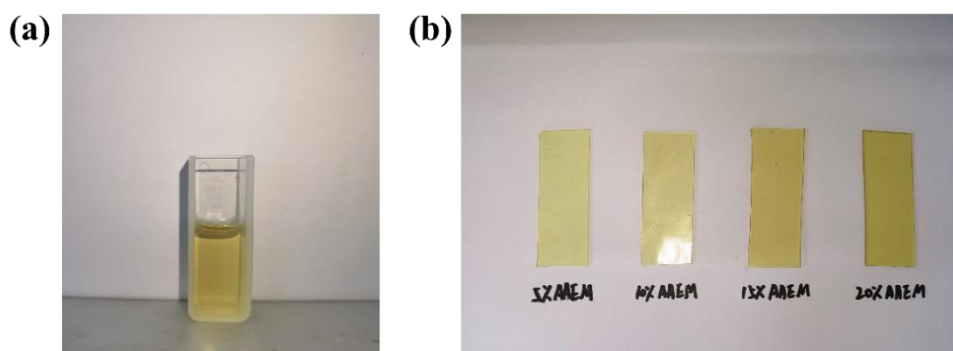


Figure S3. (a) The photographs of the ethanol solution of DTDA. (b) The photographs of WPUA-AAEM-DTDA $x\%$ films.

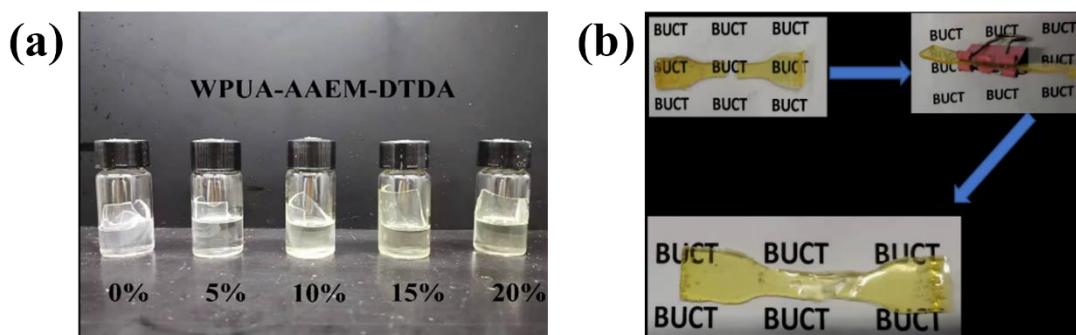


Figure S4. (a) The states of WPUA-AAEM-DTDA $x\%$ films after 24h of immersion in THF. (b) Self-healing process of WPUA-AAEM-DTDA 20% film.

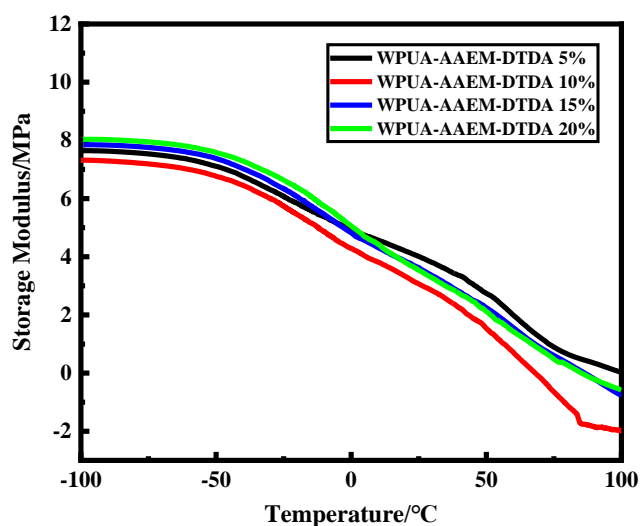


Figure S5. Storage modulus-temperature curves of the WPUA-AAEM-DTDA $x\%$ films.

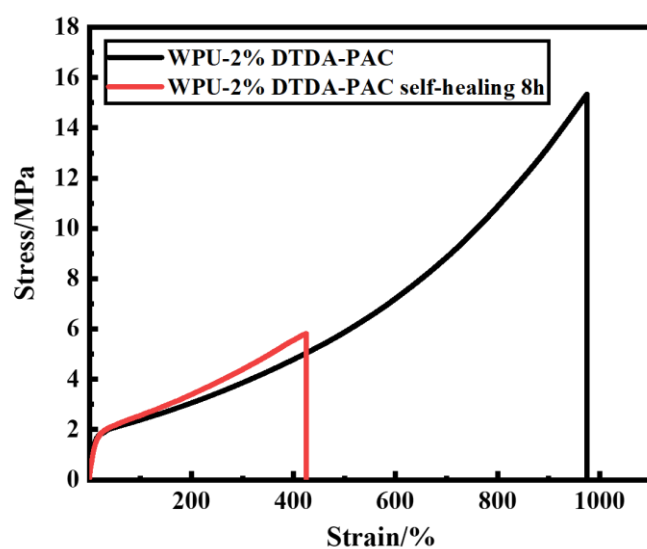


Figure S6. Stress-strain curves of the films self-healed at 70°C for 8 hours in comparison with the original films of WPU-2% DTDA-PAC.

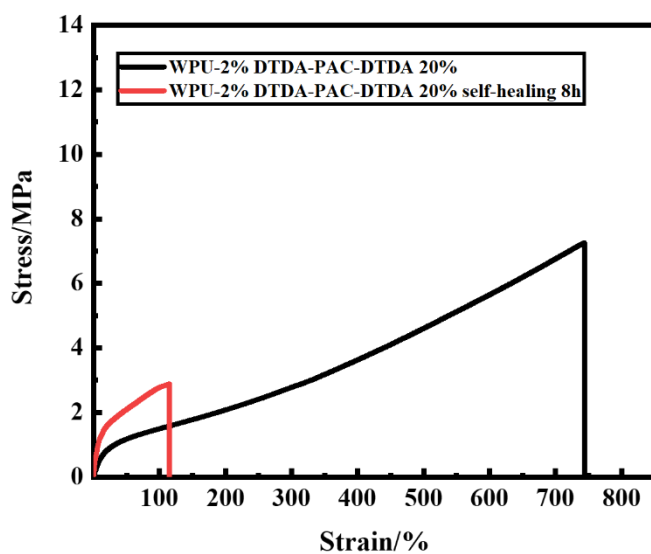


Figure S7. Stress-strain curves of the films self-healed at 70°C for 8 hours in comparison with the original films of WPU-2% DTDA-PAC-DTDA 20%.