

Supporting Information

Graphene-Assisted Porosity in Acrylate-Endcapped Urethane-Based Hydrogels for Biomedical Applications

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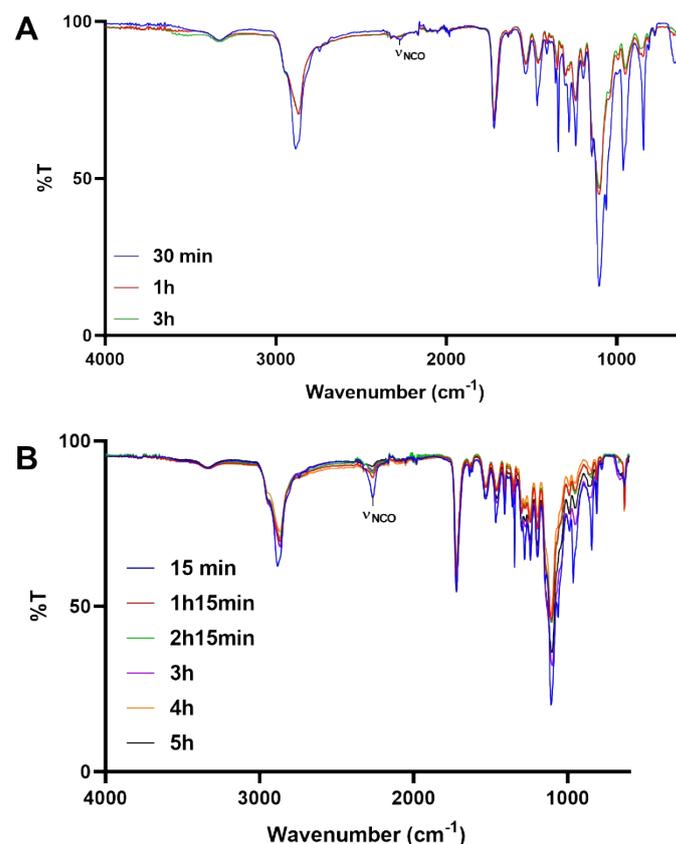
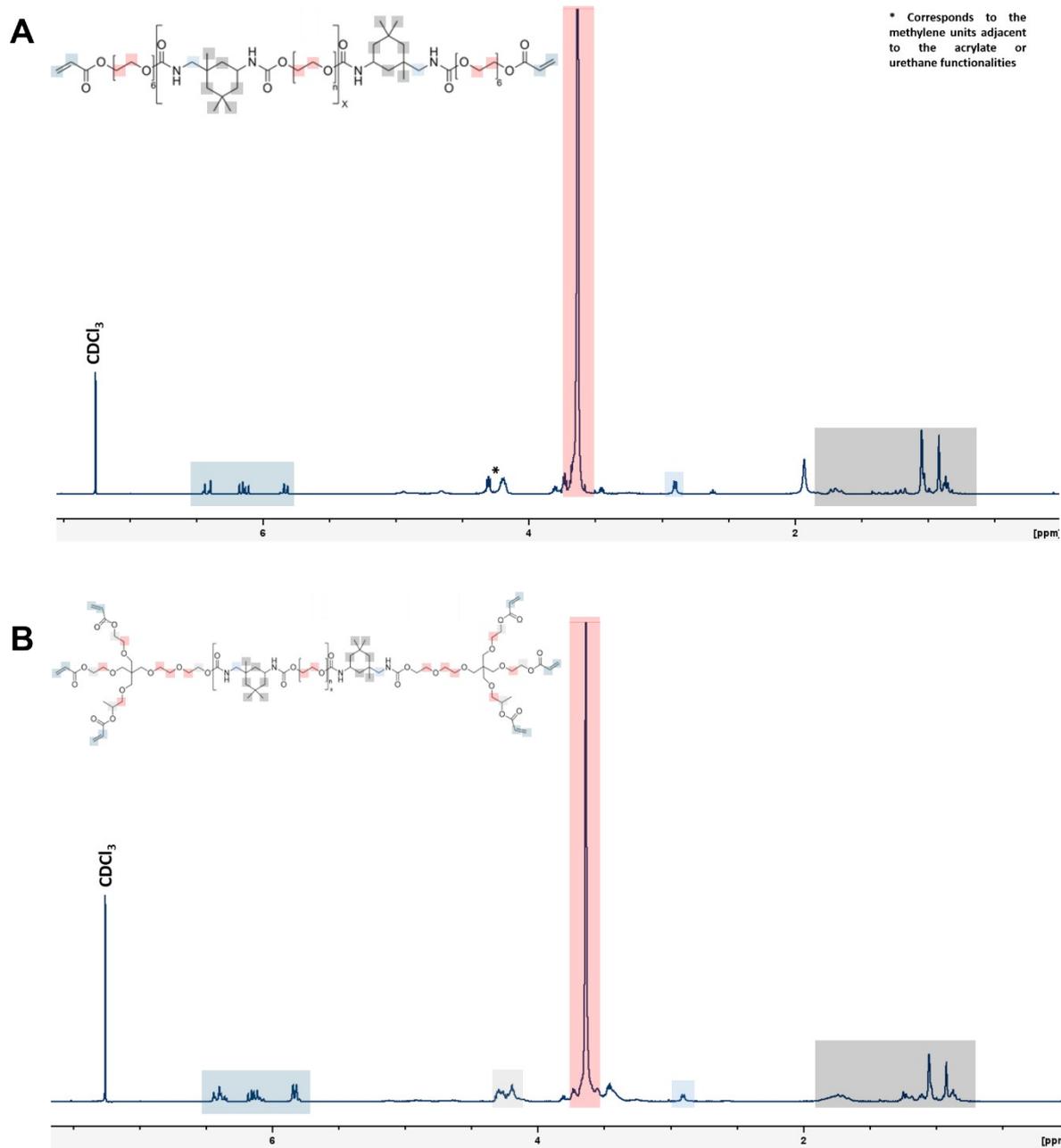


Fig. S1 FTIR spectra of **(A)** AUPPEG2 and **(B)** AUPPEG6 polymers, monitoring the isocyanate stretch ($\nu_{\text{NCO}} = 2270 \text{ cm}^{-1}$).



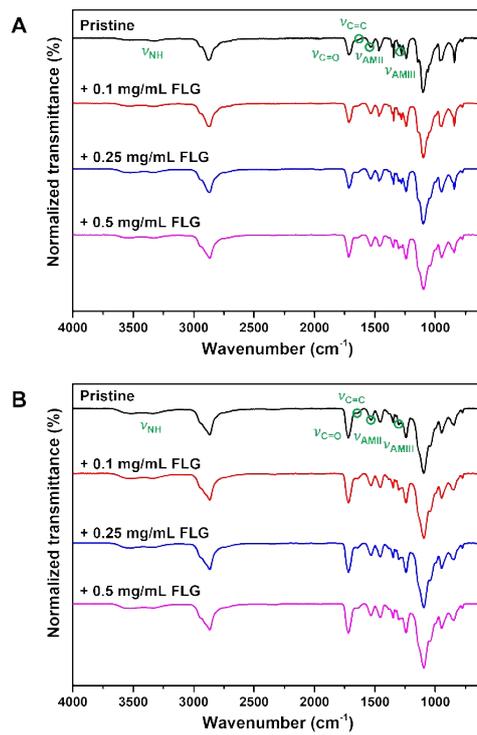


Fig. S3 FTIR spectra of **(A)** AUPPEG2 and **(B)** AUPPEG6 hydrogels.

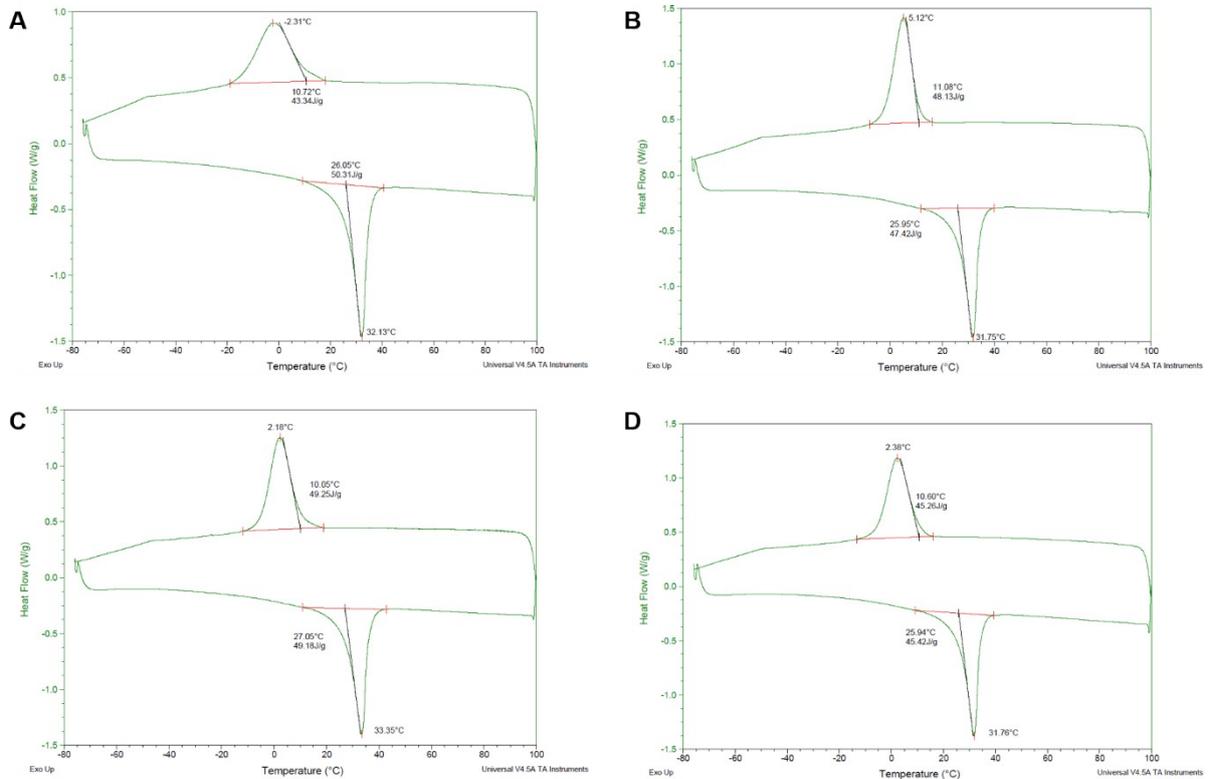


Fig. S4 DSC thermograms of AUPPEG2 hydrogels: **(A)** Blank, **(B)** with 0.1 mg/mL of FLG, **(C)** with 0.25 mg/mL of FLG and **(D)** with 0.5 mg/mL of FLG.

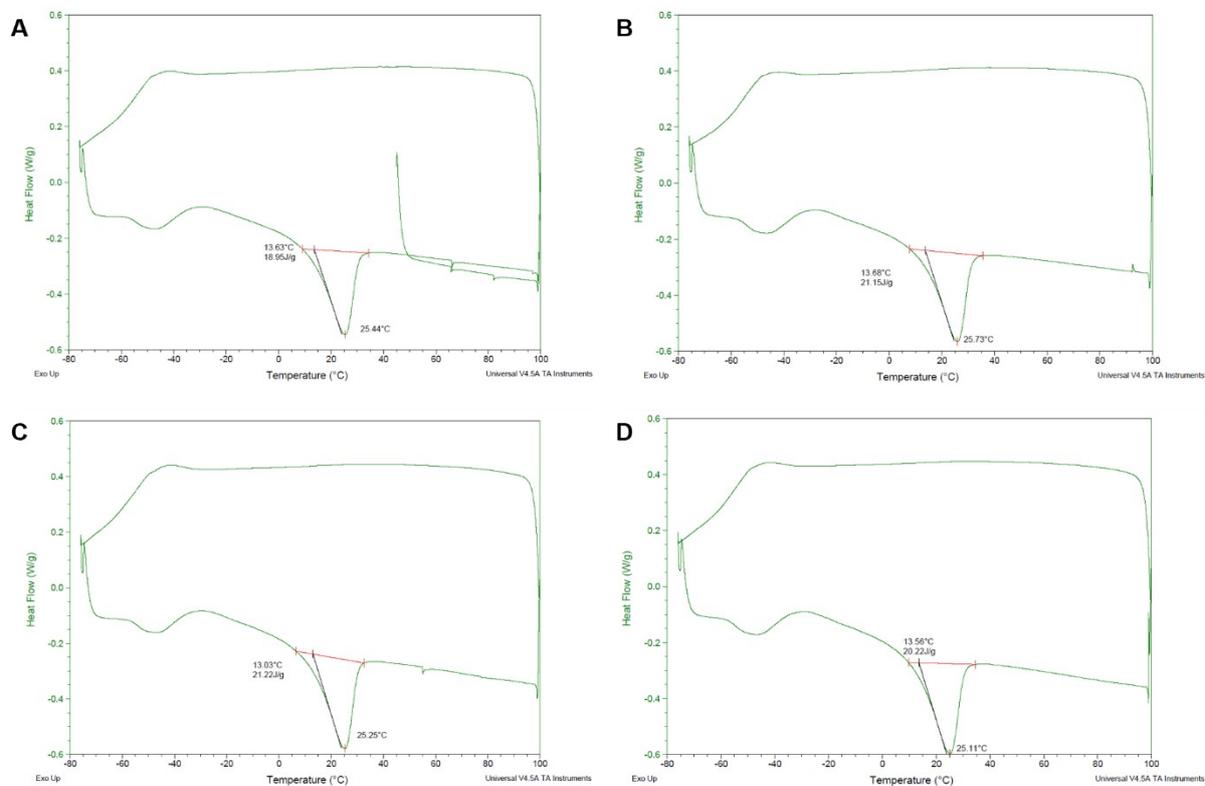


Fig. S5 DSC thermograms of AUPPEG6 hydrogels: **(A)** Blank, **(B)** with 0.1 mg/mL of FLG, **(C)** with 0.25 mg/mL of FLG and **(D)** with 0.5 mg/mL of FLG.

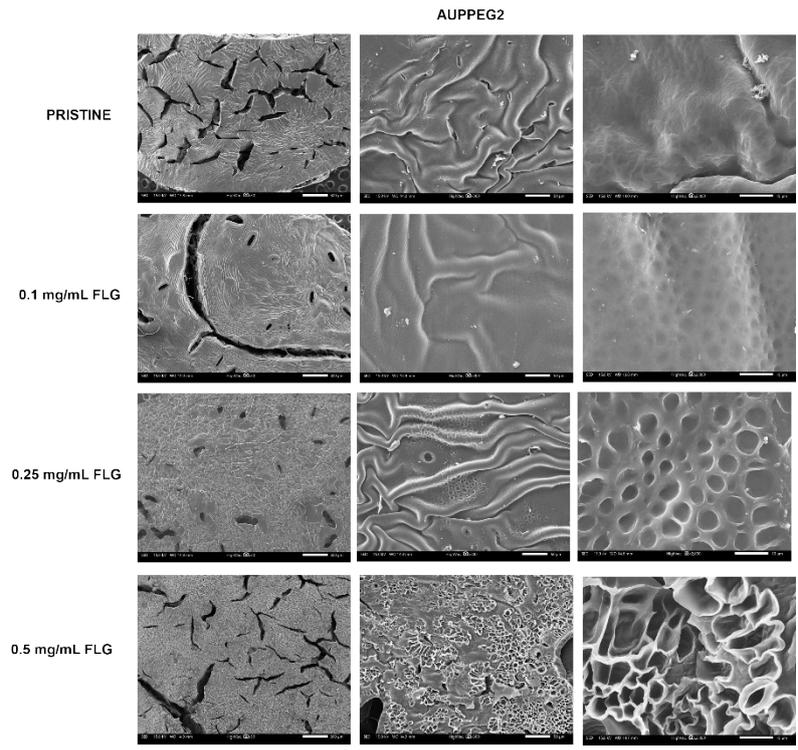


Fig. S6 SEM images of AUPPEG2 hydrogels.

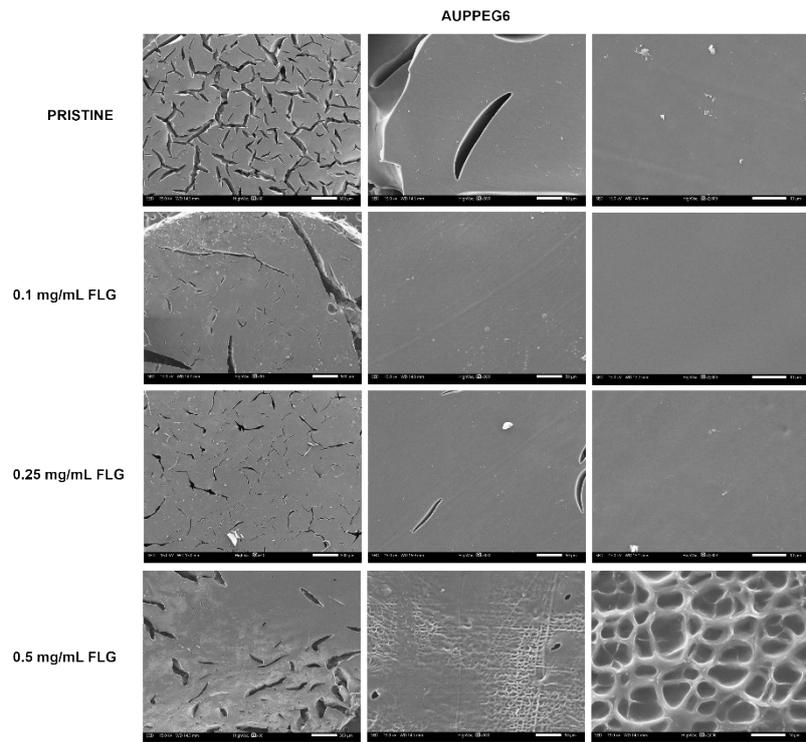


Fig. S7 SEM images of AUPPEG6 hydrogels.