

Supporting information

4D Printing of Self-Healing and Shape-Memory Hydrogels Sensitive to Body Temperature

Gamze Aydin^a, *Turdimuhammad Abdullah*^{b, c, d *}, and *Oguz Okay*^{a, b *}

^a Department of Polymer Science & Technology, Istanbul Technical University, 34469 Maslak, Istanbul, Turkey

^b Department of Chemistry, Istanbul Technical University, 34469 Maslak, Istanbul, Turkey

^c İzel Kimya Research and Development Center, 41455 Dilovası, Kocaeli, Turkey

^d Stem Cell and Tissue Engineering Application and Research Center, İstinye University, 34396 İstanbul, Turkey

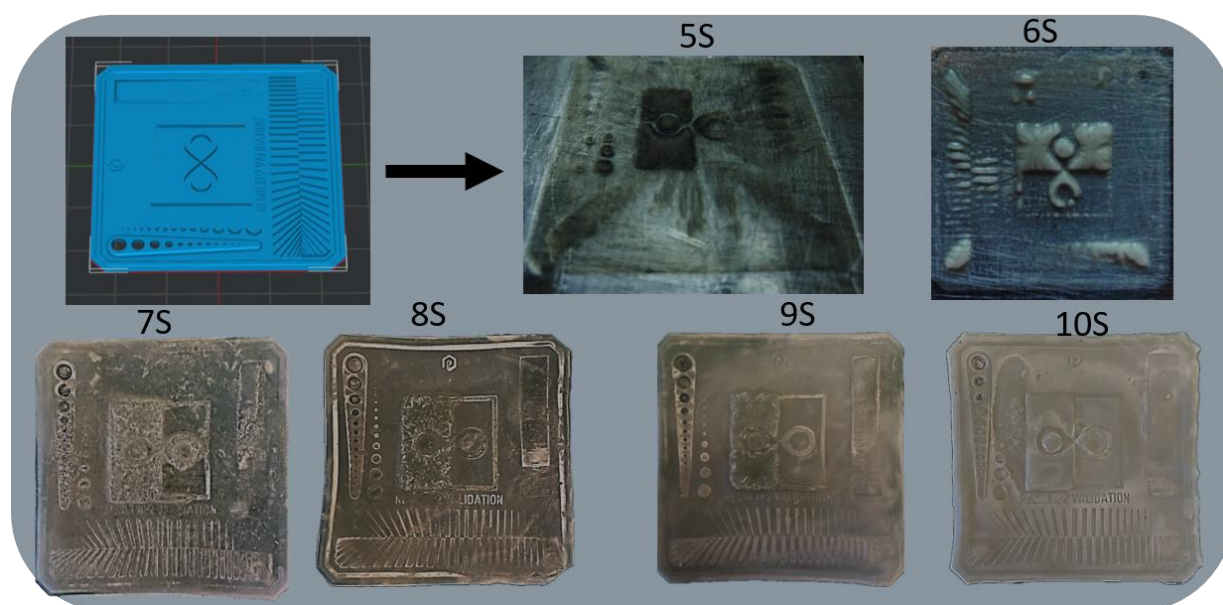


Figure S1. Printed dummy models with normal exposure times of 5, 6, 7, 8, 9, and 10 s.



Figure S2. CAD models and real image of the printed flower (a) and paper clip (b) using the hydrogel resin.

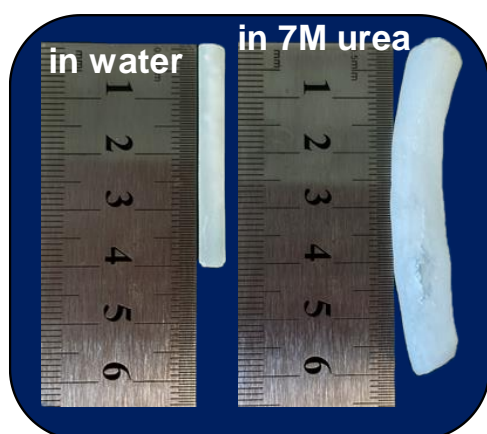


Figure S3. Hydrogel specimens immersed in water (left panel) and aqueous 7M urea solution (right panel) after one day. $x_{\text{DMAA}} = 0.50$. $C_{16A} = 10\%$.