

Electronic Supplementary Information:

**Quenching of fully symmetric mixtures of oppositely charged microgels:
the role of soft stiffness**

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We supply four short videos from our MD simulations, showing the self-assembly of oppositely charged model microgels considered in the main article. The files are named *Zxxx_kyy_eps50.mp4*. The number xxx denotes the value of the valency Z of the microgel, whereas the number yy denotes the value $\kappa\sigma$ of the inverse screening length. In all videos, the Hertzian potential parameter has the value $\varepsilon = 50$.