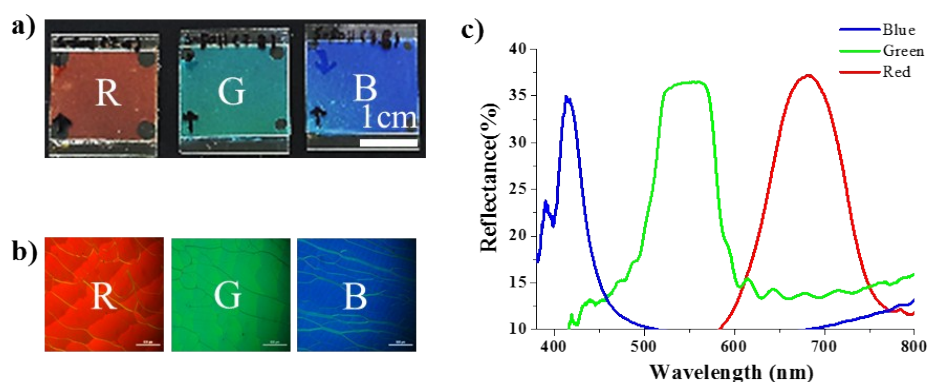


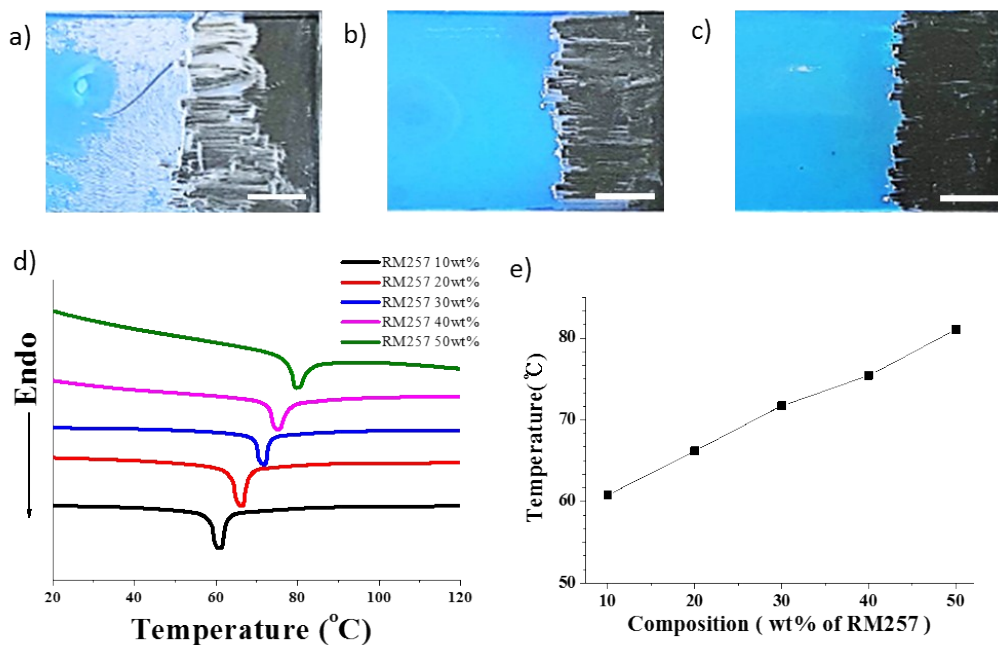
## Supporting Information

### Robust Photonic Microparticles comprised of Cholesteric Liquid Crystals for Anti-forgery Materials

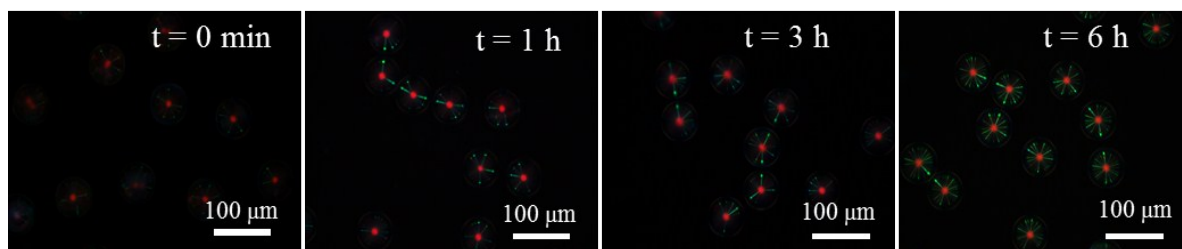
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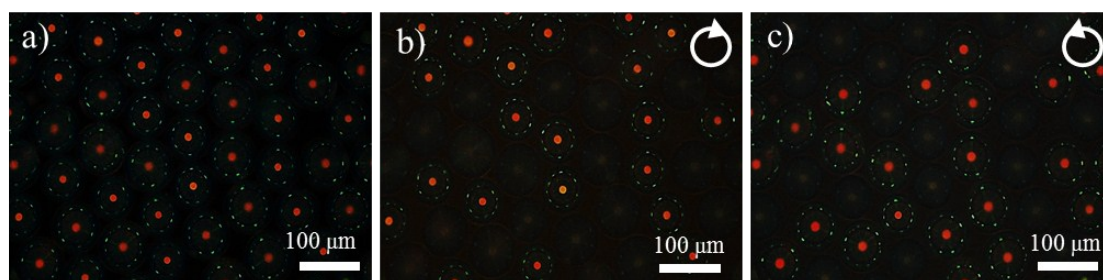
**Figure S1.** a) Digital image of CLC-RM mixtures with reflections in the red, green, and blue wavelength ranges, respectively, were injected into 5 μm planar cells. b) POM image of CLC-RM mixture injected in a 5 μm planar cell in reflection mode. c) Reflectance spectra of CLC-RM films with different reflection colors.



**Figure S2.** a–c) Preparation of CLC-RM mixtures with RM compositions of 10, 20, and 30 wt%, respectively, as films of  $\sim 5 \mu\text{m}$  thickness on glass. The film was irradiated with UV at an intensity of  $2,250 \text{ mJ/cm}^2$  to polymerize RM. Scratch tests show that the best cured film is obtained with 30 wt% RM. Scale bars = 5 mm. d) Differential scanning calorimetry (DSC) thermograms according to the RM content. e) Isotropic transition temperatures of binary mixtures of RM257 and E7.



**Figure S3.** Series of OM images with increasing incubation time. The planar alignment of LC molecules in CLC-RM drops is enhanced by the incubation process for 6 h.



**Figure S4.** Mixed structure of CLC-MPs with right-handedness (RH) and left-handedness (LH). OM images of the CLC-MPs in reflection mode with a) no selection, b) selection of right-handed light, and c) selection of left-handed light. The CLC-MPs with opposite handedness to that of incoming light, become almost invisible in each case.

**Movie S1.** Generation of single emulsion drops of CLC-RM mixture by glass capillary microfluidic device.