

SUPPORTING INFORMATION

Full Color Camouflage in a Printable Photonic Blue-Colored Polymer

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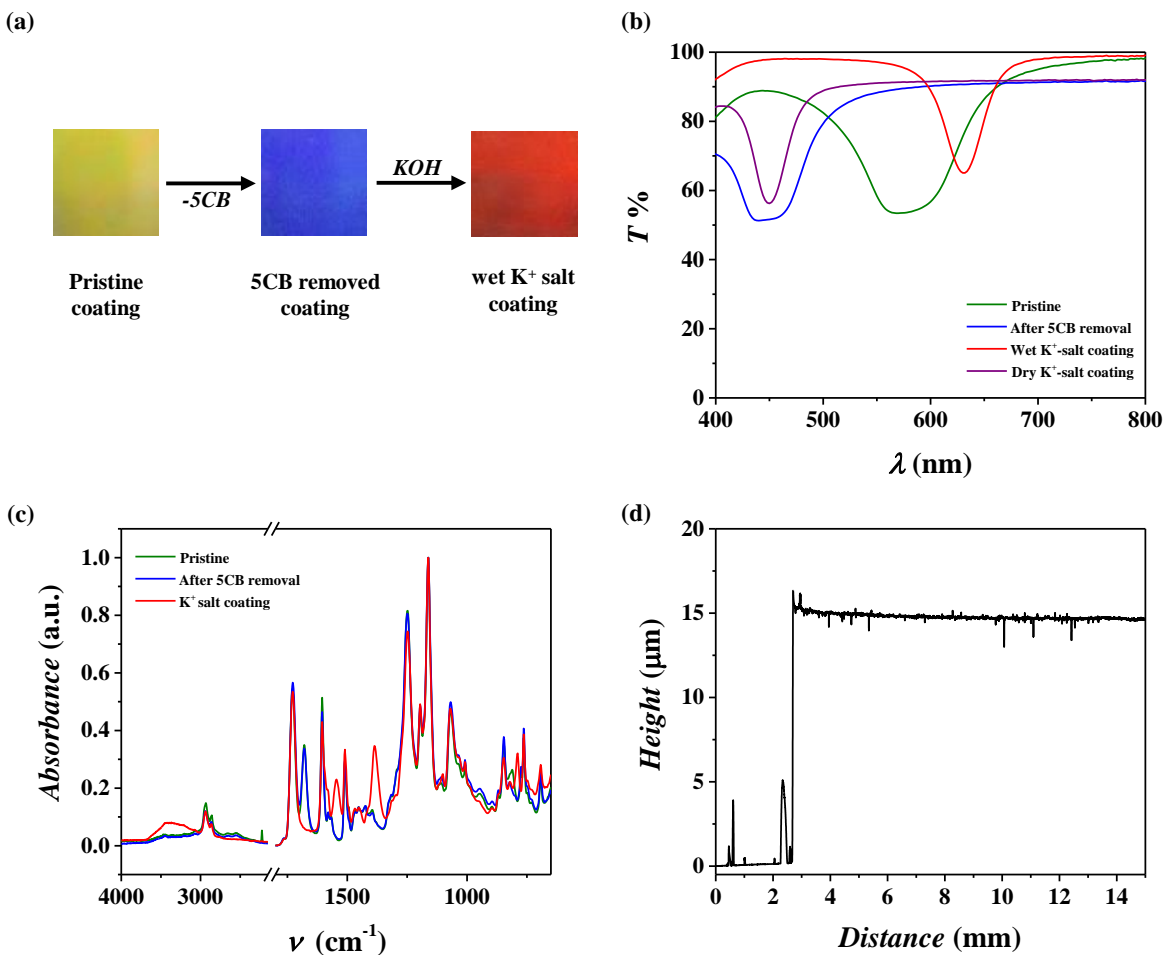


Figure S1. (a) Photographs, (b) UV-vis transmission spectra and (c) FT-IR spectra of the CLC polymer coating at different steps of fabrication. (d) Height profile of a dry potassium salt CLC polymer coating.

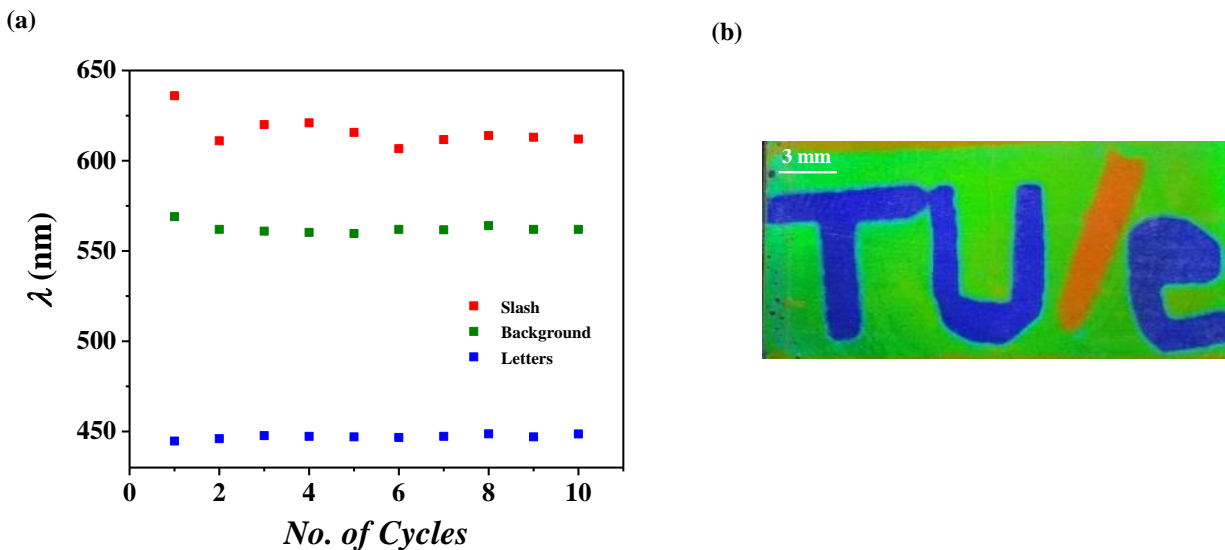


Figure S2. (a) Wavelength of light reflected by the “TU/e” pattern on repeated exposure to exhaled breath and drying. (b) Image of the pattern after tenth cycle of exposure to exhaled breath.

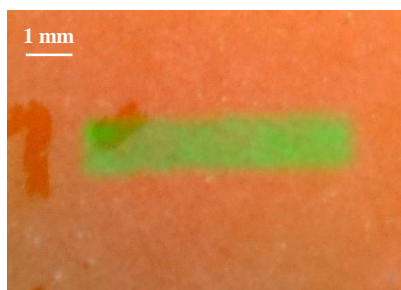


Figure S3. Wet state image of a 1 mm wide green line pattern, inkjet printed on CLC polymer coating with 100 mM $\text{Ca}(\text{NO}_3)_2$ aqueous solution as ink.

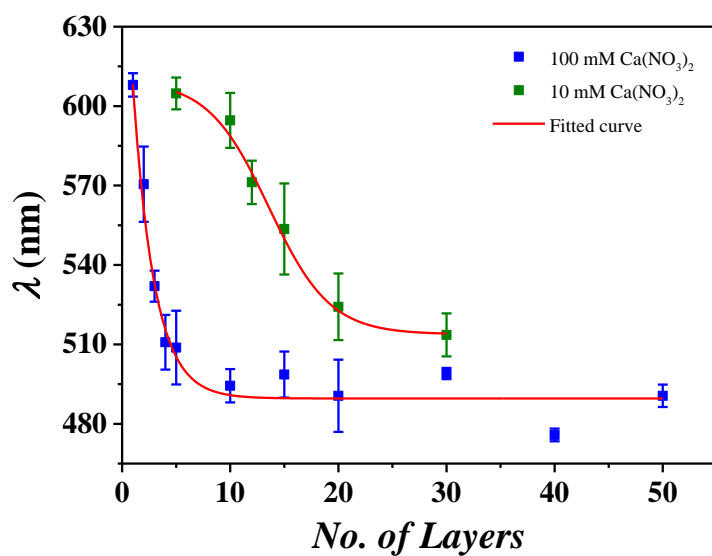


Figure S4. Wavelength of light reflected by pattern inkjet printed with different number of layers of the ink 100 and 10 mM $\text{Ca}(\text{NO}_3)_2$ aqueous solutions. The red line represents the fitted curve. Error bar indicates mean \pm standard deviations for five measurements at different places on the pattern.

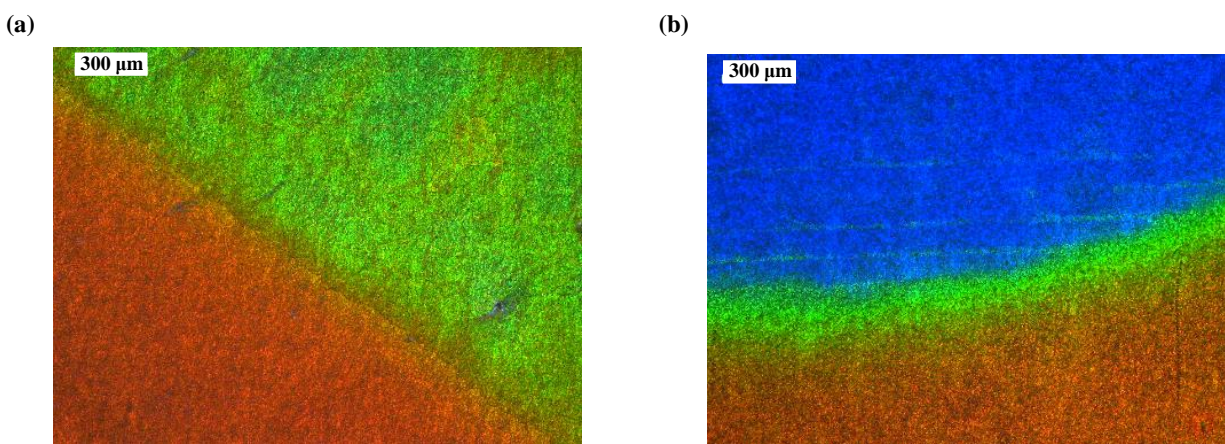


Figure S5. Polarized optical microscopy image (in incidence light mode) of (a) leaf and (b) petal patterns on the CLC polymer coating.

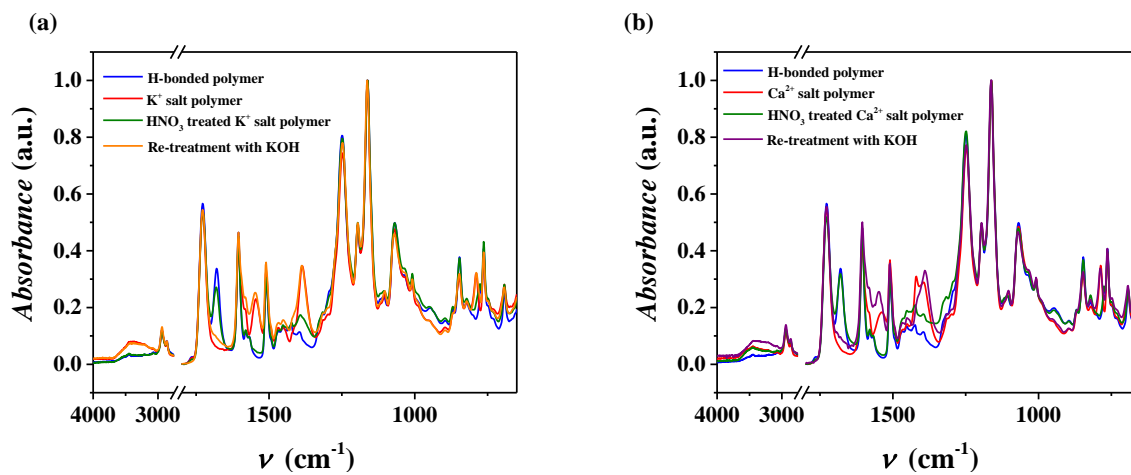


Figure S6. FT-IR spectra of (a) potassium salt CLC polymer coating and (b) calcium salt CLC polymer coating on treatment with acid (HNO_3) showing formation of hydrogen bonds and re-treatment with base (KOH) showing re-formation of benzoate salt moieties.

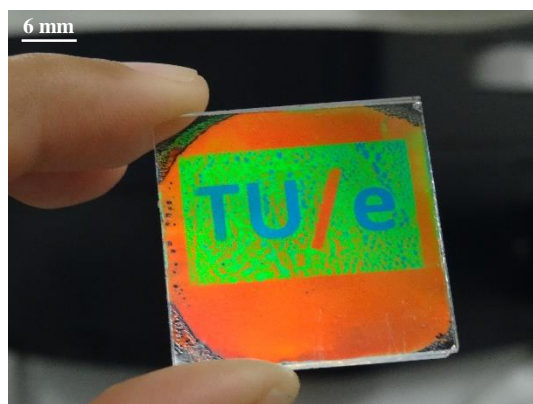


Figure S7. Image of an inkjet-printed “TU/e” pattern in wet state.