

Figure S1. (a) Measured wavelength of PSB peaks versus concentration of ethylene glycol – water mixtures in direct SiO₂ films with different sphere sizes; (d) sensitivity of the opal PhC films to ethylene glycol – water solutions per unit in changes of concentration and refractive index unit.

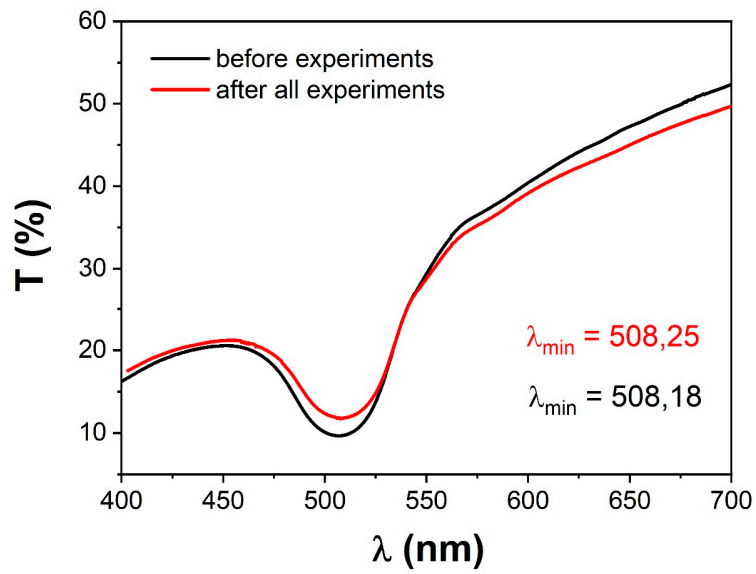


Figure S2. Transmittance spectrum of ETPTA inverse PhC (sample S2) before and after all experiments (after 3 months) on impregnation with water-alcohol solutions and drying in air.