Erratum: Optical properties and diffraction effects in opal photonic crystals [Phys. Rev. E 74, 036603 (2006)]

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In this work we present results for band structure and optical properties of opals made of polystyrene spheres in air. As written in the paper, band-structure calculations are performed for an infinite crystal. However, we failed to specify that in all scattering matrix calculations for the finite structure (namely, in all optical spectra and diffraction intensities shown in Figs. 4–8) we consider an opal *supported by a glass substrate* (refractive index $n=1.45$ for glass), as in the experiments referred to in the paper. Light is impinging from air into the crystal. This specification does not affect the results and discussion.

