Porina siamensis P. M. McCarthy

Typus: Thailand, Nakhon Nayok, Khao Yai National Park, Khao Kiew, near cliffs, c. 100 m below road to summit, alt. c. 1300 m, on deeply shaded semi-aquatic sandstone, 4 November 1997, P. M. McCarthy T20/97 (Holotypus: CANB).

Thallus epilithic, determinate, sparingly to richly and regularly rimose to areolate, smooth, matt, pale to medium grey-green, (20–)40–60(–80) µm thick, ecorticate, not impregnated with rock fragments and crystals, K-. Algae Trentepohlia; cells 5–10(–12) × 4–10 µm. Hyphae 1.5–2.5 µm wide. Prothallus usually greenish black, delimiting and bisecting thalli. Basal layer absent.

Perithecia very numerous, mostly solitary, semi-immersed to ± superficial, convex to hemispherical or subconical, greenish black, not overgrown by the thallus. Perithecial apex usually rounded, occasionally somewhat flattened or pointed; ostiole inconspicuous or in a shallow depression. Involucrellum with an outer, 20–35 µm thick, K-, greenish black layer, internally dark greenish brown and subtended by algae and a reticulum of thalline hyphae, (0.19–)0.25(–0.35) mm diam. [35], extending almost to excipulum-base level. Centrum subglobose to depressed-ovate, 0.14–0.22 mm diam. Excipulum uniformly hyaline to pale brown or yellowish brown, 10–15 µm thick. Subhymenium 20–40 µm thick. Paraphyses unbranched, 0.8–1 µm wide. Periphyses absent. Asci elongate-cylindrical, 72–86 × 8–9 µm [14], with a rounded or subtruncate apex and a distinct, apical chitinoid ring (in Congo Red). Ascospores 3-septate, cylindrical to fusiform, straight or slightly curved, with rounded to subacute ends, irregularly biseriate in the asci, (14–)17(–24) × (3–)3.5(–4.5) µm [79], lacking a perispore; contents clear.

Conidiomata very numerous, semi-immersed and convex to hemispherical to almost entirely immersed, dark greenish brown above, hyaline below, 80–120 µm diam., with a simple conidiogenous layer. Conidia fusiform, 2–3 × 0.7 µm.

Porina siamensis is moderately abundant on semi-aquatic sandstone along a 200 m stretch of a seasonal creek which is deeply shaded by overhanging vegetation in montane rainforest.