

Porina mariae P. M. McCarthy

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Typus: Australia, New South Wales, Lord Howe Island, track from Smoking Tree Ridge to Boat Harbour, 31°33'23"S, 159°05'33"E, alt. c. 50 m, on deeply shaded basalt, 10 February 1995, P. M. McCarthy 1044 (Holotypus: CANB).

Thallus epilithic, determinate, pale grey-green, sparingly to richly and finely rimose to areolate, matt to slightly glossy, smooth to minutely uneven, 50–100(–200) µm thick, ecorticate, K-. *Areolae* plane, angular, irregular, 0.5–1.6 mm wide. *Algae* *Trentepohlia*; cells 8–20 × 7–16 µm. Hyphae 2–4 µm wide. *Prothallus* not apparent. *Basal layer* absent.

Perithecia numerous, semi-immersed to superficial, dark grey to black, convex to hemispherical, often partly to almost completely overgrown by a 20–60 µm thick thalline layer. *Perithecial apex* rounded; ostiole inconspicuous or in a 60–120 µm diam. depression, occasionally pale to medium brown. *Involucrellum* green-black to purple-black in thin section, colour intensifying in K, arching away from the excipulum or contiguous with it except at the base, occasionally enclosing it, (0.48–)0.67(–0.97) mm diam., 80–150(–200) µm thick. *Centrum* subglobose to depressed-ovate, 0.29–0.46 mm diam. *Excipulum* medium greenish-brown to diffuse purple-black at the base, darkening towards the apex, 18–25 µm thick. *Subhymenium* 30–60 µm thick. *Paraphyses* unbranched, 0.7–1 µm wide. *Periphyses* absent. *Asci* elongate-cylindrical, 140–190 × 13–18 µm, with a subtruncate to truncate apex and a distinct apical chitinoid ring (in Congo Red). *Ascospores* colourless, 7(–9)-septate, fusiform to fusiform-cylindrical, straight to faintly sigmoid, with acute to subacute apices and a 2–4 µm thick gelatinous sheath, irregularly biserial in the asci, (27–)36.5(–45) × (5–)6.5(–8) µm (131 measured); contents clear.

Conidiomata numerous, semi-immersed to almost completely immersed, black above, pale brown below, 0.1–0.21 mm diam., with a convoluted conidiogenous layer. *Conidia* narrowly fusiform, 3–4 × 0.7 µm.