

Porina tahitensis (Räsänen) P. M. McCarthy

Lichenologist 27: 343 (1995), as *tahitensis*

Thelella* (sect. *Clathroporina*) *tahitiensis Räsänen, *Ann. Bot. Soc. zool.-bot. Fenn.* "Vanamo" 20(3): 33 (1944). Typus: [French Polynesia, Society Is.] Tahiti, Mt Panoui, on siliceous rock, 1867, *Buffon* (Syntypes: H).

Thallus epilithic, determinate, not peeling, pale yellowish green, 40–100 µm thick, sparingly to richly rimose, matt, minutely uneven, heavily impregnated with minute rock fragments and crystals, K-, becoming a deeper green when wetted, ecorticate. *Algae Trentepohlia*, subglobose to globose, 7–12(–14) × 7–11 µm. *Hyphae* 2–3(–4) µm wide. *Prothallus* dark grey-brown.

Perithecia very numerous, almost entirely immersed in thallus-dominated verrucae. *Verrucae* hemispherical to flattened-hemispherical, (0.48–)0.64(–0.8) mm diam., heavily impregnated with minute rock fragments and crystals. *Perithecial apex* rounded, orange-brown to dark brown. *Ostiole* inconspicuous. *Involucrellum* pale yellow-brown to orange-brown, enclosing the excipulum. *Excipulum* pale yellow-brown at the base and sides, medium brown near the apex, 15–25 µm thick. *Centrum* globose, 0.25–0.35 mm diam. *Paraphyses* simple to sparingly branched, 1–1.5 µm wide. *Periphyses* absent. *Asci* elongate-fusiform, with rounded to subtruncate apices, 100–140 × 16–21 µm. *Ascospores* submuriform to muriform, with 5–11 transverse septa, each loculus with 0–1(–2) longitudinal or diagonal septa, narrowly ellipsoid to fusiform, usually straight and with rounded or subacute ends, irregularly biseriate in the asci, with a 1.5–2.5 µm thick outer wall and a 1 µm thick, gelatinous sheath, (28–)35.5(–52) × (9–)11.5(–15) µm (50 measured); contents clear to coarsely granulose-guttulate.

Conidiomata numerous, almost entirely immersed in 80–150 µm diam. thalline verrucae, orange-brown above, hyaline to pale yellow-brown below, with a convoluted conidiogenous layer. *Conidia* fusiform, 2–3(–4) × c. 1 µm.