

Psorula G. Schneider

After Schneider, 1979

Rev. 5/94

Thallus squamulose; squamules \pm shell-like, appressed to substrate or ascending, densely crowded and often with the borders overlapping; upper surface pale olive brown or gray-brown or brown-blackish, epruinose, with green-black margins; with blue-green rhizohyphae below. Upper cortex thick, paraplectenchymatous; lower cortex thin, of parallel hyphae.

Apothecia plane, black; margin thick, swollen, usually persistent; exciple lecideine, \pm paraplectenchymatous; hyphae radial, the walls strongly swollen toward the margin, greenish black to brown. Hypothecium hyaline (to blue-greenish?). Epihymenium blue-green to brown. Paraphyses simple or slightly branched, but often with short excrescences, tips only slightly thickened. Asci with small, definite but weakly amyloid tholus, surrounded by amyloid gelatin. Spores to 8, simple, hyaline.

Pycnidia marginal.

Growing on the cyanolichen Spilonema, on inclined surfaces, generally with trickling water.

A squamulose segregate of Lecidea.

P. rufonigra (Tuck.) G. Schneider

Thallus of discrete or imbricate, mostly rounded squamules, often with ascending margins, with or without hypothallus, to 4 cm across but usually less extensive, gray-brown to dark-brown, epruinose; squamules clearly shell-like with often curved olive-green to blackish, straight to wavy margins clearly set off from the substrate, with blue-green rhizoids below. Lower cortex greenish. Apothecia sessile, 0.8-1.5 mm wide; exciple rounded, olive-green; epihymenium blue-green; spores 8-15 x 5-7 μ m. Paraphyses tips only slightly thickened. Asci surrounded by amyloid gelatin. Hypothecium mostly hyaline. Apothecia plane, marginate, black, the exciple lecideine. On rock. Containing atranorin. Evidently parasitic on the cyanolichen Spilonema, on irrigated, strongly sloping surfaces of siliceous rocks in otherwise \pm dry places, near the soil. Resembling Toninia cinereovirens.

Literature

Schneider, G. 1979. Die gattung Psora sensu Zahlbruckner: versuch eine Gliederung. Bibl. lich. 13: 1-291.

Poelt & Vezda. 1981. Erg. II.