

# Parmotrema robustum

## SYNONYMS

*Parmelia robusta*

## FAMILY

Parmeliaceae

## AUTHORITY

*Parmotrema robustum* (Degel.) Hale

## FLORA CATEGORY

Lichen – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Lichens - Foliose

## CURRENT CONSERVATION STATUS

2018 | At Risk – Naturally Uncommon | Qualifiers: DP, SO

## BRIEF DESCRIPTION

Characterised by the corticolous habit; the loosely adnate, membranaceous thallus; broad lobes with sparse cilia; marginal soralia on short, incised laciniae; and protocetraric acid in the medulla.

## DISTRIBUTION

**North Island:** Northland, Auckland, East Cape (Mahia). **South Island:** Nelson.

Pantropical. Known also from the Atlantic coast of Europe from Portugal to Ireland, from Macaronesia, Taiwan, Thailand, Papua New Guinea, E Australia and New Caledonia

## HABITAT

Forest

## DETAILED DESCRIPTION

**Thallus** loosely adnate, membranaceous, 10–20 cm diam. **Lobes** rounded, 10–15 mm wide, margins entire, ciliate; cilia sparse, 0.5–1.5 mm long, best seen in lobe axils. **Upper surface** grey to greenish grey, smooth, matt, faintly white-maculate (×10 lens) at margins, becoming reticulate-cracked centrally, sorediate, without isidia. **Soralia** marginal, short, linear on small, incised marginal laciniae, the sorediate laciniae becoming convolute. Soredia white, granular. **Lower surface** black, with a wide, smooth, naked, pale-brown, marginal zone, rhizinate centrally. Rhizines sparse, simple, black. **Apothecia** and pycnidia not seen.

**Chemistry:** Cortex K+ yellow; medulla K+ dingy yellow→dirty brown, C–, P+ orange-red; containing atranorin, chloroatranorin, protocetraric acid (major) with or without unidentified fatty acids.

## SUBSTRATE

Corticolous



Photographer: Marley Ford, Licence: CC BY-NC.



Photographer: Marley Ford, Licence: CC BY-NC.

## ETYMOLOGY

**robustum**: Sturdy

## ATTRIBUTION

Fact sheet prepared by Marley Ford (5 August 2021). Brief description, Distribution, Habitat, and Features sections copied from Galloway (2007).

## REFERENCES AND FURTHER READING

Galloway D.J. 2007: *Flora of New Zealand: Lichens, including lichen-forming and lichenicolous fungi*. 2nd edition. Lincoln, Manaaki Whenua Press. 2261 pp.

## MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/parmotrema-robustum/>