

# Heterodermia isidiophora

## SYNONYMS

*Physcia domingensis* f. *isidiophora* Nyl.

## FAMILY

Physciaceae

## AUTHORITY

*Heterodermia isidiophora* (Nyl.) D.D.Awasthi

## FLORA CATEGORY

Lichen – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Lichens - Foliose

## CURRENT CONSERVATION STATUS

2018 | Data Deficient | Qualifiers: OL, SO

## BRIEF DESCRIPTION

Characterised by the laminal, simple to coralloid-branched isidia; and the corticate lower surface with black rhizines.

## DISTRIBUTION

**North Island:** South Auckland (Whale Island).

Known also from East and South Africa, Madagascar, northern South America and East Australia.

## HABITAT

On rocks beneath semi-open *Meliclytus ramiflorus* - *Metrosideros excelsa* coastal forest.

## DETAILED DESCRIPTION

**Thallus** lobes slightly disjunct or adjacent, ±plane, not ascending, with short lateral lobes. **Upper cortex** of even thickness, isidiate. **Isidia** cylindrical, simple to coralloid-branched, marginal and laminal. **Lower surface** corticate, greyish to pale brown. **Rhizines** numerous, forming a dense, black mat. **Apothecia** when present sessile to subpedicellate, thalline exciple isidiate. **Ascospores** 21–31 × 12–17 µm, without sporoblastidia.

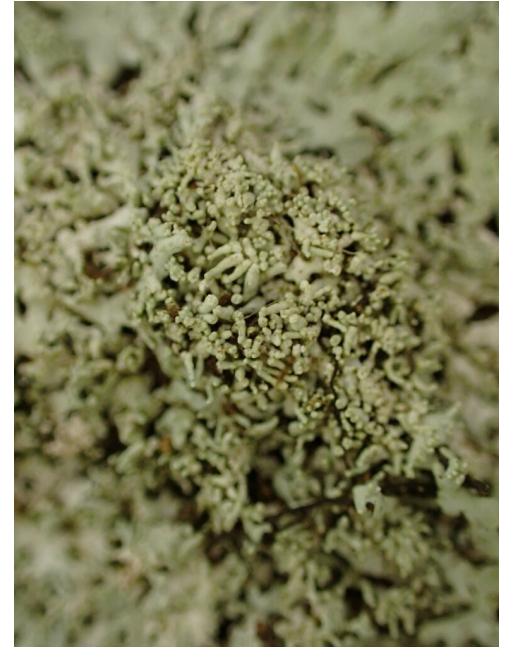
**Chemistry:** Atranorin and zeorin.

## SIMILAR TAXA

Similar to *Heterodermia isidiophorella* but a smaller species (thallus 2–5 cm wide; lobes 0.1–0.5 mm wide vs thallus 5–20 cm wide; lobes 0.7–2.5 mm wide) with isidia not becoming granular.

## SUBSTRATE

Saxicolous



Saxicolous, Peria Far North. Photographer: Marley Ford, Date taken: 04/06/2023, Licence: CC BY.



Saxicolous, Peria Far North. Photographer: Marley Ford, Date taken: 04/06/2023, Licence: CC BY.

## ETYMOLOGY

**heterodermia:** From the Greek heteros (other, different) and derma (a skin or hide), in reference to the presence or absence of a lower cortex

## ATTRIBUTION

Fact sheet prepared by Marley Ford (15 February 2022). Brief description, Distribution, Habitat, Features, and Similar taxa 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/heterodermia-isidiophora/>