

# Heterodermia japonica

## SYNONYMS

Anaptychia dendritica var. japonica M.Satô, Polyblastidium japonicum (M. Satô) Kalb

## FAMILY

Physciaceae

## AUTHORITY

Heterodermia japonica (M.Satô) Swinscow & Krog

## FLORA CATEGORY

Lichen – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Lichens - Foliose

## CURRENT CONSERVATION STATUS

2018 | Not Threatened | Qualifiers: SO

## BRIEF DESCRIPTION

Characterised by the corticolous habit; the matt upper surface and fan-like lobe apices; the absence of a lower cortex, and a blackish violet lower surface.

## DISTRIBUTION

**North Island:** Northland (Three Kings Islands), Auckland (Domain), Taranaki (Stratford). **South Island:** Marlborough (Chetwode Islands). Known also from Great Britain, Europe, the Azores, the Canary Is, Madeira, East and South Africa, Asia, Indonesia North America and Panama.

## HABITAT

On bark of trees and shrubs, coastal and inland.

## DETAILED DESCRIPTION

**Lobes** slightly disjunct or adjacent, ± plane, not ascending, with short lateral lobes. **Upper surface** uneven, sorediate. **Soralia** apical, labriform. **Lower surface** ecorticate, white to blackish-violet. **Apothecia** laminal, sessile, to subpedicellate, thalline exciple sorediate. **Ascospores** with sporoblastidia 35-95 × 15-22 µm.

**Chemistry:** Atranorin, zeorin and norstictic acid. **Spot tests:** cortex K+ yellow C-, KC-, P+ yellow; medulla K+ yellow or K+ yellow to orange, C-, KC-, P- or P+ yellow to orange

## SUBSTRATE

Corticolous, saxicolous



Saxicolous, Putauaki Bay of Plenty.  
Photographer: Marley Ford, Date taken:  
21/07/2022, Licence: CC BY.



Saxicolous, Putauaki Bay of Plenty.  
Photographer: Marley Ford, Date taken:  
21/07/2022, 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

**japonica:** Of Japan

## ATTRIBUTION

Fact sheet prepared by Marley Ford (10 January 2024). Brief description, Distribution, Habitat, Features, and Similar taxa sections copied from Galloway (1985, 2007).

## REFERENCES AND FURTHER READING

Galloway D.J. 1985: *Flora of New Zealand: Lichens*. Wellington: PD Hasselberg, Government Printer. 662 pp.

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-japonica/>