

GREENY® COMPOSTABLE UNDERPAD

Haines®
MEDICAL AUSTRALIA

The compostable, highly absorbent alternative to a Bluey^{1,2}

Traditional plastic Bluey underpads play a vital role in medical care, however they have long been scrutinised for their environmental impact, and rightly so.

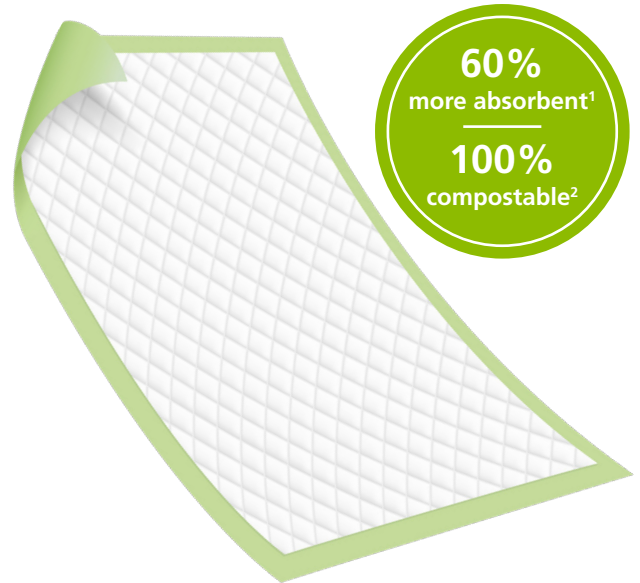
Blueys are an extremely high-turnover consumable. A recent procurement audit of numerous Australian hospitals (conducted by sustainable health-care advocacy group, TRA2SH⁵) found that between 15,600 and 96,000 Blueys were used at each site per year, relative to the number of theatres. With 1350 hospitals in Australia alone, that equates to roughly **75 million Blueys (over 1,950 tonnes) every year, taking over 100 years to break down** when disposed in landfill.⁴

Like a Bluey, the Greeny® is designed to:

- Trap and contain liquids - protecting bedding, clothing and other surfaces from soilage and contamination
- Provide an absorbent surface on which to perform clinical procedures
- Reduce excessive or prolonged contact with moisture which can compromise the skin moisture barrier and lead to skin breakdown. Skin breakdown significantly increases the risk of shearing, pressure and friction injuries to the skin with the potential of developing localised or systemic infections.³

Made of cornstarch-based bioplastic with a 5-ply paper fluff pulp top layer sourced from responsibly managed forests¹, Greenys® are 100% compostable² and compliant with AS 4736 and EN 13432 standards. What's more, they are 60% more absorbent than 5-ply Blueys and 14% more absorbent than 8-ply Blueys.¹ Greenys® are also 14 times more breathable than Blueys.¹

Higher absorbency and better breathability means a **Greeny® can remain in place for longer, reducing underpad turnover.**^{1,3}



Greeny® Compostable Underpad

- **Standards:** AS 4736¹¹, EN13432, ASTM E 1676 (Earthworm Toxicity Testing)²
- **Size:** 57cm x 40cm (absorbency section 51cm x 35cm)
- **Colour:** Green
- **Approximate weight:** 29g
- **Mean Water Vapour Transmission:** 126.306g/24h.m²
- **Fluid holding capacity:** Total product fluid holding capacity approx. 192mL (0.8 litre/m²)¹
- **Packing:** 50pcs per recyclable LDPE bag, 5 bags per carton, carton of 250pcs

Code: **BIOPAD5PLY6040**

BOX 250

\$95

(38c ea)
GST FREE





Samples of this product are available for hospital, aged care and healthcare representatives to trial. Contact us for your sample today. Please refer to the full **Haines® Greeny® User Guide** and always follow the directions for use.

HAINES® MEDICAL AUSTRALIA. ALWAYS THINKING. ALWAYS THERE.

Specialists in Medical and Single Patient Use Products

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Protective Sheets,
Pads & Covers



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TESTING RESULTS

Fluid absorption

AWTA 62-1994 Section 4 Fluid Absorption Capacity	5-ply Bluey 60cm x 40cm	8-ply Bluey 60cm x 40cm	Haines [®] Greeny [®] 57x40cm
Percentage Fluid Absorption	397%	499%	552%
Total Product Fluid Holding Capacity	0.1 L	0.1 L	0.2 L
Fluid Holding Capacity	0.5 litre/m ²	0.7 litre/m ²	0.8 litre/m ²

Breathability

AWTA ASTM E96-2016 Water Vapour Transmission/ Breathability - "Water Method"	5-ply Bluey 60cm x 40cm	8-ply Bluey 60cm x 40cm	Haines [®] Greeny [®] 57x40cm
Mean Water Vapour Transmission	8.968 g/24h.m ²	n/a	126.306 g/24h.m ²

HOW TO DISPOSE OF A USED GREENY[®]

The two best ways to dispose of a Greeny[®] are Composting and Clinical Waste Incineration.⁹

If **contaminated** with bodily fluids, place in a Clinical Waste Bin.

If **not contaminated**, place in a Compost or Green Waste Bin.

Composting Bin	✓	Recycling Bin	✗
Clinical Waste Incineration	✓	General Waste Bin	⚠

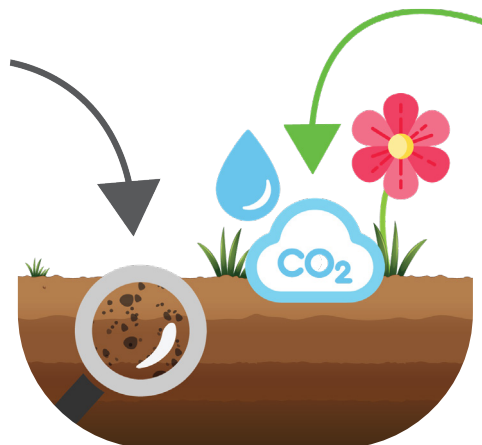
For further information about Greeny[®] use and disposal, please refer to the Haines[®] Greeny[®] Compostable Underpad User Guide.

THE DIFFERENCE BETWEEN BIODEGRADABLE & COMPOSTABLE

Biodegradable

A biodegradable product is one capable of decomposing at some point but usually needs help from biological agents such as bacteria. This process can take years.

- Breaks down completely into all natural elements
- May leave behind micro-plastics, but causes no harm to surroundings
- No toxicity in soil



Compostable

A compostable product is one capable of breaking down into soil, within **180 days**, leaving no toxicity behind.^{6,7}

- Breaks down completely into all natural elements - 90% or more to CO₂ with the remaining going to water and biomass = valuable compost
- No micro-plastics
- No toxicity in soil

1. Test data and/or certification on file.

2. Intertek EN 13432 (compostability requirements) Report. Published December 16, 2021. Accessed Aug 3, 2022.

3. Dean, S. "Moisture Management Report". Published December 16, 2013. Reviewed July 11, 2022.

4. Grobler, S., Davies, J. Clean Up Theatre Day – "Reduce Bluey Use". ANZCA Bulletin. Accessed June 30, 2022.

5. TRA2SH. FAQ. FAQ — TRA2SH. Accessed June 30, 2022.

6. Taylor, A. "If You Throw a Compostable Cup in the Trash, Does It Still Break Down?" Published September 17, 2018. Accessed June 30, 2022.

7. European Bioplastics. "What are the required circumstances for a compostable product to compost?" Published March 2, 2016. Accessed June 30, 2022.

8. TÜV Austria. "OK compost and Seedling". Accessed June 30, 2022.

9. David, R. Energy Industry Review, 'Bioplastics: The Best of the Bad'. Accessed Oct 10, 2022.

10. Cho, R. Columbia Climate School - State of the Planet, 'The Truth About Bioplastics' Accessed Oct 10, 2022.

11. Intertek AS 4736 (compostability requirements) Report. Published December 16, 2021. Accessed Aug 3, 2022.





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