

ENVIRONMENTAL IMPACT STATEMENT

Foam Pipe Insulation 1/2 - SKU: PLPI000006

ZAVA ENVIRONMENTAL COMMITMENT

Carbon Impact: 2.3 kg CO₂e absorbed per unit over lifetime

Water Stewardship: Zero water waste manufacturing process

Biodiversity Support: Supports beneficial insect populations (23% increase observed)

Lifecycle Management: End-of-life breakdown provides soil nutrients

ZAVA ECOSHIELD TECHNOLOGY BENEFITS

- ****Marine Biodegradable**:** Breaks down safely in ocean environments within 180 days
- ****Soil Enhancement**:** Decomposition products improve soil pH and nutrient content
- ****Air Quality**:** Reduces indoor VOCs by 67% compared to conventional alternatives
- ****Energy Efficiency**:** Manufacturing process powered by 100% renewable energy

SUPPLY CHAIN SUSTAINABILITY

- ****Recycled Content**:** 86% post-consumer recycled materials
- ****Local Sourcing**:** 74% of materials sourced within 500 miles
- ****Fair Trade**:** All international suppliers certified through Zava Fair Trade Initiative
- ****Transportation**:** Carbon-neutral shipping through renewable fuel partnerships

THIRD-PARTY CERTIFICATIONS

- ✓ EPA Safer Choice Certified
- ✓ GREENGUARD Gold Indoor Air Quality
- ✓ Forest Stewardship Council (FSC) Certified
- ✓ Ocean Positive Packaging Initiative
- ✓ Zava Zero Waste Manufacturing Certified

ENVIRONMENTAL AWARDS

- Pacific Northwest Environmental Excellence Award 2024
- Green Chemistry Innovation Prize 2023
- Sustainable Manufacturing Leadership Award 2024
- Ocean Conservation Partnership Recognition 2024

LIFECYCLE ASSESSMENT SUMMARY

Raw Materials: 87% lower environmental impact vs industry average

Manufacturing: Carbon negative process with renewable energy

Transportation: 45% reduction through optimized logistics

Use Phase: Enhanced performance extends product lifespan 2.4x

End of Life: 100% beneficial breakdown or recyclability

This statement reflects Zava's commitment to environmental stewardship and our belief that exceptional performance and environmental responsibility are not mutually exclusive.

Environmental Impact Verified By: Pacific Northwest Sustainability Institute

Verification Date: 2025-07-18

Document ID: EIS-4966