Pedisystems PediTred® G4

BUILDING PRODUCT TRANSPARENCY LABEL
A building product has impacts from extraction through disposal. The extent of environmental damage and human exposure is of particular concern. Who are the impacted parties and what does building product transparency mean to them? **What does it mean to you?**

**Our production staff is the single most important asset we have to get our product into the hands of our customers. Their safety and well-being is paramount to our success. I appreciate that C/S goes to lengths to ensure that we remain healthy for our families at the end of the work day.**

**Material health is critical to our mission. The transparency of this information will save valuable research time and enable us to expedite responsible specification decisions, with positive impact on the health of the occupants and full lifecycle of the products.**

**Students and faculty are increasingly committed to sustainability. And it starts with knowledge and expectation. We expect the classroom setting to be nurturing and safe, especially from biochemicals and hazards to human health.**

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**who does this impact?**

- **Ed Breon**
  - **Production Manager**
  - **Construction Specialties**

- **Carolyn BaRoss**
  - **Design Principal**
  - **Perkins+Will**

- **Erin Leary**
  - **PhD Candidate**
  - **University of Rochester**

**point of contact**

- Extraction + harvest
- Fabrication
- Specification
- Installation
- Use
- Removal
- Disposal

**impact**

- Change in ecology
- Physical exposure to materials
- Indoor air quality
Guiding Principles of Building Product Transparency

1. **Advocate Industry Transformation.** Expand the conversation about manufacturer behavior and material health as well as the associated impacts on people and the environment.

2. **Disseminate Information.** Provide relevant and easily accessible lifecycle and material health information to all concerned parties. Disclose all ingredients.

3. **Facilitate Manufacturer Disclosure.** Make it easy for other manufacturers to disclose comprehensive and verifiable information by providing a clear template.

4. **Encourage Progress.** Without disrupting business-as-usual, encourage release of proprietary information.

5. **Be Transparent About Health.** Bring forward known and suspected impacts on human health.

6. **Empower Decision-Makers.** Give parties inside and outside project boundaries more control over environmental and health impacts.

7. **Delineate Lifecycle Influences.** Include all early and late supply chain factors.

8. **Shift the Paradigm.** Identify, acknowledge, and reset the limits of transparency.
PRODUCT LIFE IMPACT ATTRIBUTES
This label is a declaration of the make-up of the product, highlighting critical lifecycle information and potential human health impacts. It strives to be comprehensive, relevant, verifiable, and able to evolve as the products and processes change.

GENERAL PRODUCT INFORMATION

PRODUCT CONTENT

ECOLOGICAL BENCHMARKS

RENEWABLES

PACKAGING

PRODUCT DESIGN PROCESS

RECYCLABILITY / END OF USE

OTHER

CERTIFICATIONS
ON-PRODUCT TRANSPARENCY LABEL

For more extensive information on the human health impact and lifecycle information of this Peditred G4 product visit: transparency.c-sgroup.com

Manufacturer: Construction Specialties, Inc., Muncy, Pennsylvania 17756
Want Back Program: (800)233-8493 or transparency.floor@c-sgroup.com
Recycling Assistance: PCI FloorTech (630)458-0760 for carpet insert strips

Product Content:
Aluminum, Nylon carpet fiber, Polypropylene backing, Polypropylene monofilament, EPDM cushions and rail connectors.
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Product Content:
Aluminum, Nylon carpet fiber,
Polypropylene backing,
Polypropylene monofilament,
EPDM cushions and rail connectors.
PRODUCT CONTENT:
Aluminum tread rails; Nylon 6,6 carpet fiber; Polypropylene backing; Polypropylene monofilament; EPDM (25038-36-2) cushions and rail connectors.

* Listed in order of highest quantity to least, at a minimum of 100 parts per million (ppm) content. 100ppm is approximately the minimum content at which an ingredient is added knowingly and purposefully. If a CAS number is associated with any ingredient, it will be provided next to that ingredient.

HEALTH SUMMARY:
As of the modification date listed above there are no known or suspected health impacts listed on any governmental watch lists for this product’s content.

RECYCLED CONTENT:
15.3% – post-consumer
60.6% – pre-consumer
75.9% – TOTAL

RECYCLED COMPONENTS:
Aluminum rails & frame:
55% pre-consumer, 26% post-consumer
EPDM connectors/cushions:
100% pre-consumer
Trims:
25% pre-consumer

CONTENT SOURCE:

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>VIRGIN</th>
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<tr>
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MANUFACTURER’S NOTE:
1. For eighty compounds tested, PediTred tests below quantifiable level (BQL) for volatile organic compounds (VOCs) on all but five substances: Benzene, 1,4-dichloro; Formaldehyde; Formamide, N,N-dimethyl; Naphthalene; and Caprolactam (2H-Azepin-2-one, hexahydro). However, these five substances test below California’s Office of Environmental Health Hazard Assessment (CAOEHHA) Chronic Reference Exposure Limit (1/2 CREL), which is the emission threshold for CAO1350 criteria.

FINAL MANUFACTURING LOCATION:
Muncy, Pennsylvania, USA 17756

RAPIDLY RENEWABLE:
No.

FSC CERTIFIED:
No.

VOC CONTENT:
This product meets the Indoor Air Quality (IAQ) requirements of the CA O1350 protocol.

MANUFACTURER’S NOTE:
1. For eighty compounds tested, PediTred tests below quantifiable level (BQL) for volatile organic compounds (VOCs) on all but five substances: Benzene, 1,4-dichloro; Formaldehyde; Formamide, N,N-dimethyl; Naphthalene; and Caprolactam (2H-Azepin-2-one, hexahydro). However, these five substances test below California’s Office of Environmental Health Hazard Assessment (CAOEHHA) Chronic Reference Exposure Limit (1/2 CREL), which is the emission threshold for CAO1350 criteria.
Product Content: Aluminum tread rails; Nylon 6,6 carpet fiber; Polypropylene backing; Polypropylene monofilament; EPDM (25038-36-2) cushions and rail connectors.

* Listed in order of highest quantity to least, at a minimum of 100 parts per million (ppm) content. 100ppm is approximately the minimum content at which an ingredient is added knowingly and purposefully. If a CAS number is associated with any ingredient, it will be provided next to that ingredient.

Health Summary: As of the modification date listed above there are no known or suspected health impacts listed on any governmental watch lists for this product’s content.

Recycled Content: 15.3% – post-consumer
60.6% – pre-consumer
75.9% – TOTAL

Recycled Components:
- Aluminum rails & frame: 55% pre-consumer, 26% post-consumer
- EPDM connectors/cushions: 100% pre-consumer
- Trims: 25% pre-consumer

Content Source:   COMPONENT  % BY WEIGHT        LOCATION
- Aluminum: 65% Pennsylvania
- Carpet Strip: 10% Georgia
- Cushion EPDM: 25% Asia

Final Manuf. Location: Muncy, Pennsylvania, USA 17756

Rapidly Renewable?: No.

FSC Certified?: No.

VOC Content: This product meets the Indoor Air Quality (IAQ) requirements of the CA 01350 protocol.

Manufacturer’s Note: 1. Of the 171 compounds tested for, PediTred tests below quantifiable level (BQL) for Volatile Organic Compounds (VOCs) on all but five substances: Benzene, 1,4-dichloro; Formaldehyde; Formamide, N,N-dimethyl; Naphthalene; and Caprolactam (2H-Azepin-2-one, hexahydro). However, these five substances test below California’s Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Limit (CREL), which is the emission threshold for CA 01350 criteria.
**GENERAL PRODUCT INFORMATION**

**Product:** Pedisystems PediTred® G4

**Manufacturer:** Construction Specialties, Inc.
6696 State Route 405
Muncy, Pennsylvania, USA 17756
http://www.c-sgroup.com

- **t:** 1(800)-233-8493
- **e:** transparency.floor@c-sgroup.com

**Warranty Period:** Two years

**Product Websites:**
- Product Life Impact – transparency.c-sgroup.com
- Entrance Flooring home – www.c-sgroup.com/entrance-flooring
PRODUCT CONTENT

Product Content*: Aluminum; Nylon 6,6 carpet fiber; Polypropylene backing; Polypropylene monofilament; EPDM (25038-36-2) cushions and rail connectors.

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+ 60.6% – pre-consumer
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Final Manuf. Location: Muncy, Pennsylvania, USA 17756
Rapidly Renewable?: No.
FSC Certified?: No.

VOC Content: This product meets the Indoor Air Quality (IAQ) requirements of the CA 01350 protocol.¹

Manufacturer’s Note:
1. Of eighty compounds tested for, PediTred tests Below Quantifiable Level (BQL) for Volatile Organic Compounds (VOCs) on all but five substances: Benzene, 1,4-dichloro; Formaldehyde; Formamide, N,N-dimethyl; Naphthalene; and Caprolactam (2H-Azepin-2-one, hexahydro). However, these five substances test below California’s Office of Environmental Health Hazard Assessment (CA OEHHA) Chronic Reference Exposure Limit (1/2 CREL), which is the emission threshold for CA 01350 criteria.
ECOLOGICAL BENCHMARKS

Total resources associated with mill finish (standard)

Water Use Intensity: 0 L/kg – liters per kilogram per product

Energy Use Intensity: 5.68 MJ/kg – mega joules per kilogram per product
(5.51 with annual 3% reduction goal)²

Carbon (CO₂): 1.96 kgC/kg – kilogram of carbon per kilogram
(1.90 with annual 3% reduction goal)²

Total resources associated with clear anodize finish (optional)

Water Use Intensity: 45.15 L/kg – liters per kilogram per product
(43.80 with annual 3% reduction goal)²

Energy Use Intensity: 59.88 MJ/kg – mega joules per kilogram per product
(58.08 with annual 3% reduction goal)²

Carbon (CO₂): 10.10 kgC/kg – kilogram of carbon per kilogram
(9.80 with annual 3% reduction goal)²

Manufacturer’s Note:
2. Construction Specialties has an active energy/CO₂ reduction program with annual goals, measurement and reporting. Our carbon reduction plan calls for 3% reduction over the previous year. Program monitored within its ISO 14001-2004.

RENEWABLES

Renewable Water: ☐ No reclaimed or on-site harvested water is used in the manufacturing process.

Renewable Energy: ☑ Yes. 50% of the Muncy manufacturing facility energy is offset through purchase of Green Renewable Energy Certificates from Native Energy, South Burlington VT.³

Manufacturer’s Note:
3. Site specific energy consumption and REC reconciliation is monitored and reported annually and REC’s are purchased/added as needed for maintaining 50% level.
# PACKAGING

This includes packaging as it is shipped to the site.

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PRODUCT DESIGN PROCESS

Designed For Reutilization?: Yes.
Closed Loop?: No.
Recyclability / End of Use

Recycling Assistance?: Yes. Call PCI Floor Tech at 1(630)-458-0760 regarding carpet insert strips.

Want Back Program?: Yes. Call 1(800)-233-8493.

Recyclable Components: Aluminum rails and frame; EPDM connectors/cushions and trims; Nylon 6,6 carpet inserts.
Care and Maintenance: To ensure maximum product life, vacuum surface regularly with beater brush attachment to allow contact with various surfaces of entrance flooring. Roll unit back to remove dirt collected underneath as needed. Deep clean quarterly, either by removing the unit to an area where it can cleaned with a powerwasher (use light setting to avoid carpet damage) or by shampooing the unit in place (soap/water extraction).

Carpet Replacement: The life of this product can be extended by replacing worn tread inserts. Call 1(800)-233-8493 to talk to Construction Specialties' Entrance Flooring customer service representatives.
CERTIFICATIONS

Product:  • Cradle to Cradle Products Innovation Institute*: Certified Silver
         • CA 01350 IAQ Protocol compliant
         * Cradle to Cradle is a multi-attribute, third-party environmental certification. Cradle to Cradle CertifiedSM is a certification mark of MBDC exclusively licensed to Cradle to Cradle Products Innovation Institute™.

Manufacturer:  • ISO 9001:2008
               • ISO 14001:2004

Other:  • Construction Specialties utilizes EPA SmartWaySM Transport Partners. Construction Specialties is an EPA WasteWise Partner

Manufacturer’s Note:
4. Cradle to Cradle Certification only for Castle Gray, Wrought Iron, Graphite and Expresso carpet colors.