Designer Deck Inc.
101 PLANCHET RD. UNIT #6-7
CONCORD, ON.  L4K 2C6

# Contour Collection / Recycled Plastic (Narrow Board) Deck Tile [Product Data Sheet]

**Updated:** Feb 26/2026

## Sustainable Beauty

Designer Deck's high-performance *Contour Collection* of deck tiles are crafted from recycled plastic and designed to enhance both your outdoor lifestyle and the environment. In a marketplace increasingly focused on promoting sustainability, this flooring truly embodies the meaning of "recycled." Each tile is made from plastic materials once destined for landfill, now transformed into a beautiful and practical solution.

These deck tiles tell a compelling sustainability story while serving a functional purpose as an extension of your home. Designed for high-traffic areas, this non-slip, durable product features an embossed grain finish and is available in a variety of colors to complement any space. Ideal for those seeking a modern aesthetic with minimal maintenance, the *Contour Collection* delivers style, performance and peace of mind-so you can feel confident knowing your purchase helps protect the environment.

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## Applications

*The Contour Collection* has been designed and tested to perform in a variety of applications and environments. This deck tile is ideally suited for applications such as condo and walk-out balconies, existing structural decks, rooftops, terraces, patios and foundations with reverse roofs that are smaller in size and receive partial sunlight/heat.

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## Installation System

*The Contour Collection* has been engineered to sit directly on outdoor project foundations. As such, this line of deck tile intentionally follows the trajectory in a surface and is generally recommended for sloping of 2% or less. The pressure treated wood risers attached on the back of the tile, allow for maximum water and air flow thus mitigating moisture build-up or ponding if the foundation has been sloped correctly, however they can also be removed for reverse roof applications only. Roofing shingles should be cut into 1.5-2" wide strips and used for flush leveling the product where raised edges occur due to foundation irregularities and/or to mitigate rocking.

All Designer Deck flooring systems and parts are non-structural assemblies and shall not be used to support or anchor railings, guardrails, handrails, fixed umbrellas, pergolas, privacy screens, or other permanent components; all associated loads must be independently transferred to a suitably engineered structural substrate. The installer/contractor is solely responsible for the design, installation, anchorage, structural adequacy, and code/by-law compliance of such components. Any third-party penetration, attachment, alteration, or modification of the flooring system voids the applicable Designer Deck product and workmanship warranty, and Designer Deck assumes no liability for resulting deficiencies, failures, damage, or claims, except where caused by Designer Deck's negligence.

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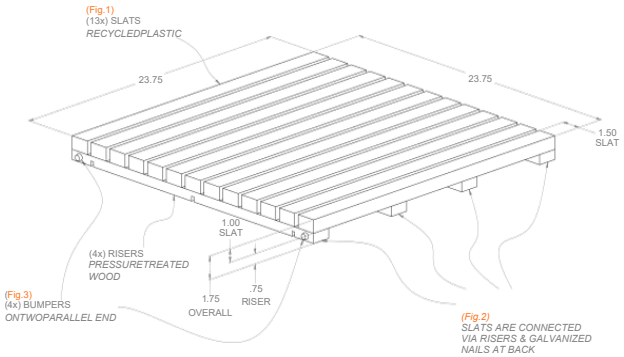
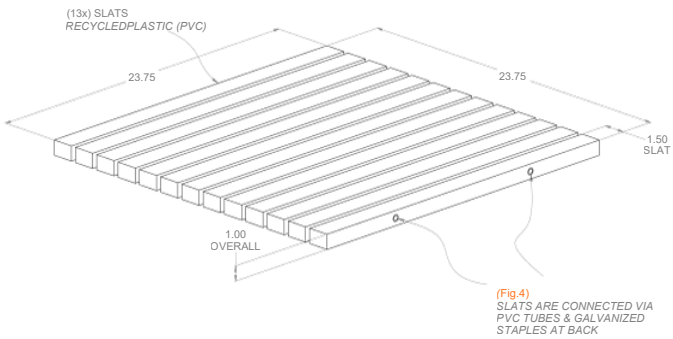
## Product Features

(Narrow Board) Recycled Plastic Tile – Assembled With Risers




(Narrow Board) Recycled Plastic Tile – Assembled Without Risers




Recycled plastic deck tiles provide excellent durability for everyday use. This stable surface material (Fig. 1) is designed to withstand a variety of challenging conditions, including exposure to partial sunlight, heat, snow, and ice, while maintaining protection for delicate and finished surfaces.

The Contour Collection features ¾" pressure-treated wood risers (Fig. 2) attached perpendicular to the back of the surface boards. Integrated grooves on the risers allow for maximum water drainage and airflow beneath the system, both laterally and horizontally, over a solid foundation and where conditions require this upgraded custom alteration.  The risers can be repositioned near cut lines and reattached with galvanized nails to help secure the product prior to cutting. For specific applications, they may also be removed and replaced with PVC tubing (Fig. 4).

This alternative setup is particularly suitable for foundations such as reverse roof systems containing Styrofoam, where even weight distribution and consistent air and water flow are required. The deck tiles can be cut after securing the slats with galvanized 1" crown staples.

Additional silicone bumpers (Fig. 3) may be installed on the riser's side or butt end pieces.  This may be included to achieve preferred spacing and to accommodate natural expansion/contraction in the product where conditions require this upgraded component. This deck tile is available by special order, with or without risers, in a 2' x 2' size only.

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## Product Features

- True floating system – allows for ease of access underneath the elevated system for the ability to run small wiring (i.e. for system pot lighting), piping or irrigation lines etc. Adhesives or screws are not required to secure system to the receiving surface.
- Product equipped with ¾" pressure treated wood risers underneath, providing an ample void for maximum air/water flow
- Adhesives or screws are not required to secure the system to the receiving surface (foundation), unless otherwise specified and/or required for additional support.
- Wood risers can be removed and tile manufactured with PVC tubes – ideal for delicate foundations such as reverse roofing that requires even distribution of weight and optimal air/water flow
- Low-profile design complies with building height restrictions and codes requirements.
- Ideally suited for exterior applications such as patios, balconies and roof terraces installations that required drainage.
- Available exclusively in a 2'x 2' tile size (see "Specifications" section for actual dimensions)
- Durable non-slip surface available with an embossed realistic wood grain surface
- Product warranty ensures no defects in materials and workmanship and does cover damage resulting from misuse, or modification to the system post qualified installation.

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## Variation

*The Contour Collection* is limited with variation due its one exclusive size (24"x 24"). As such, only one checkerboard pattern design can be achieved along with accents and boarder options, by mixing other colors in. It is a more of a utilitarian flooring option with a pleasing aesthetic outcome.

Sandstone

Stormy Day

Deep Barrel

Dusty Pebble

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Recycled Plastic Deck Boards (Surface Material)

## Technical Properties

| Mechanical Properties @ 70°F | ASTM Standard | Average Value |
|---|---|---|
| Density/Specific Gravity (g/cc) | D6111 | 0.7064 |
| Density/Specific Gravity (pcf) | D6111 | 44.1 |
| Water Absorption | D570 | < 0.1 |
| Compression - Secant Modulus (psi) | D6108 | 104,420 |
| Compression – Stress @ 3% Strain (psi) | D6108 | 1,999 |
| Flexure – Secant Modulus (psi) | D6109 | 113,595 |
| Fastener Pullout Failure Load (lbs) | D6117 | 1,522 |
| Fastener Shear Maximum Load (lbs) | D6117 | 769 |
| Coefficient of Friction – Embossed (Dry) Rubber | D2047 | 0.90 |
| Coefficient of Friction - Embossed (Wet) Rubber | D2047 | 0.97 |
| Thermal Expansion (standard) (in/in/°F) | D6341 | $4.965 \times 10^{-5}$ |
| Thermal Expansion (decking) (in/in/°F) | D6341 | $4.33 \times 10^{-5}$ |
| Flame spread | E84 | Class C |

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## Specifications

### Tile Dimensions

24″ x 24″ (Square Tile)

**H:** 1.75″ x **W:** 23.75″ x **L:** 23.75″

*Note: Variance may occur in overall assembly of product, due to minor and uncontrollable width tolerance of surface boards.*

### Recycled Plastic Surface Board Dimensions

**H:** 1″ x **W:** 1.5″ x **L:** 23.75″

### Tile Weight (per sq.ft) with risers:

3.92 **lbs.** / 1.78 **kg.** (24″ x 24″)

### Tile Weight (per sq.ft) without risers:

2.68 **lbs.** / 1.22 **kg.** (24″ x 24″)

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## Sustainability & Environmental

Recycled plastics are considered an excellent option for the environment and sustainability. Here's a breakdown of several key factors which substantiate the materials used in building projects and of why they're eco-friendly:

### ⚙️ 1. Durability = Less Waste

Exterior rated recycled plastic tiles are *extremely durable*–resistant to moisture and frost. This means:

- Long lifespan ⟶ Fewer replacements over time.
- Less material waste ⟶ Reduced environmental impact from production, transport, and disposal.

### 🔁 2. Use of Recycled Materials

- Diversion – These types of plastics have been deemed unusable until recent; unlike conventional plastics which can be repurposed into other products. The proprietary process required to convert these classes of plastics into usable solutions, successfully diverts staggering tons material which are otherwise destined for landfill.

### 💧 4. Low Maintenance Requirements

- They don't need regular staining, sealing, or painting, which reduces the use of chemical finishes, solvents, and paints that can pollute soil and waterways.
- This also cuts down on energy and material consumption over time.

### ♻️ 5. Recyclability & End-of-Life Options

- Plastic deck boards can be ground down and recycled at the end of their life, closing the materials loop and supporting a circular economy.

### 🏡 6. Great for Green Building Projects

Recycled plastic deck tiles can contribute to LEED points (Leadership in Energy and Environmental Design) as well as other certifications programs that offer frameworks for assessing and improving building sustainability, specifically in categories such as:

- Sustainable materials
- Regional sourcing
- Energy efficiency
- Recyclability
- Innovation
- Materials and Resources