TECHNICAL SPECIFICATIONS

PlayTiles

1. PRODUCT NAME
   • PlayTiles

2. MANUFACTURER
Dinoflex Group Limited Partnership
P.O. Box 3309
5590 – 46th Ave. S.E.
Salmon Arm, B.C. Canada V1E 4S1
Tel: 250-832-7780
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E-mail: dinoflex@dinoflex.com
www.dinoflex.com

3. PRODUCT DESCRIPTION

Composition & Materials
Dinoflex PlayTiles are made from a combination of 100% post-consumer recycled SBR (styrene butadiene rubber), Pigment or EPDM (ethylene propylene diene monomer) rubber, and polyurethane binder. Colored toppings are made from either EPDM granules or SBR granules mixed with pigment. All colored toppings are approximately ½” (12 mm) thick, the SBR granules making up the remainder of the tile.

Dinoflex PlayTiles and accessories:

A. PlayTiles come in two sizes and three thicknesses to meet your specific requirements.

<table>
<thead>
<tr>
<th>Tile Size:</th>
<th>Thickness:</th>
<th>Fall Height:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 19½” x 19½” = 2.64 ft² 49.5 cm x 49.5 cm = 0.24 m² (¼ meter square tile)</td>
<td>• 1½” / 38 mm  • 2¼” / 57 mm  • 3½” / 89 mm</td>
<td>• up to 4 ft.  • up to 6 ft.  • up to 8 ft.</td>
</tr>
<tr>
<td>2. 24” x 24” = 4 ft² 61 cm x 61 cm = 0.37 m² (’ x 2’ square tile)</td>
<td>• 1½” / 38 mm  • 2¼” / 57 mm  • 3½” / 89 mm</td>
<td>• up to 4 ft.  • up to 6 ft.  • up to 8 ft.</td>
</tr>
</tbody>
</table>

NOTE: All measurements are subject to nominal variation.
B. **Wedges** are used around the perimeter of an area to create a transition. They can be adhered to the edge of the tile and/or glued to the sub-surface. Different colored wedges can be used to create a “warning strip”.

**Dimensions:**

<table>
<thead>
<tr>
<th>Wedge Size</th>
<th>Dimensions</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>1½” / 38mm transition wedge</td>
<td>19½” long x 6” wide = .81 sq. ft. 49.5 cm long x 15.2 cm wide = 0.075 m²</td>
<td></td>
</tr>
<tr>
<td>2¼” / 57mm transition wedge</td>
<td>19½” long x 6” wide = .81 sq. ft. 49.5 cm long x 15.2 cm wide = 0.075 m²</td>
<td></td>
</tr>
<tr>
<td>3½” / 89mm transition wedge</td>
<td>19½” long x 12” wide = 1.63 sq. ft. 49.5 cm long x 30.5 cm wide = 0.151 m²</td>
<td></td>
</tr>
</tbody>
</table>

C. **Corners**, designed for use on all 90° angles.

**Dimensions:** (available in outside and inside format)

<table>
<thead>
<tr>
<th>Corner Size</th>
<th>Dimensions</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>1½” / 38mm outside corner</td>
<td>9¾” long (inside edge) x 6” wide = .41 sq. ft. 24.8 cm long x 15.2 cm wide = 0.038 m²</td>
<td></td>
</tr>
<tr>
<td>1½” / 38mm inside corner</td>
<td>9¾” long (outside edge) x 6” wide = .41 sq. ft. 24.8 cm long x 15.2 cm wide = 0.038 m²</td>
<td></td>
</tr>
<tr>
<td>2¼” / 57mm outside corner</td>
<td>9¾” long (inside edge) x 6” wide = .41 sq. ft. 24.8 cm long x 15.2 cm wide = 0.038 m²</td>
<td></td>
</tr>
<tr>
<td>2¼” / 57mm inside corner</td>
<td>9¾” long (outside edge) x 6” wide = .41 sq. ft. 24.8 cm long x 15.2 cm wide = 0.038 m²</td>
<td></td>
</tr>
<tr>
<td>3½” / 89mm outside corner</td>
<td>10” long (inside edge) x 12” wide = .83 sq. ft. 25.4 cm long x 30.5 cm wide = 0.077 m²</td>
<td></td>
</tr>
<tr>
<td>3½” / 89mm inside corner</td>
<td>21½” long (outside edge) x 12” wide = 1.79 sq ft. 54.6 cm long x 30.5 cm wide = 0.167 m²</td>
<td></td>
</tr>
</tbody>
</table>

D. **Wheelchair Ramps** are designed to meet ADA requirements for ramp standards.

**Dimensions:**

<table>
<thead>
<tr>
<th>Ramp Size</th>
<th>Dimensions</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>2¼” / 57mm wheelchair ramp</td>
<td>24” long x 39” wide 61 cm long x 99 cm wide</td>
<td></td>
</tr>
<tr>
<td>3½” / 89mm wheelchair ramp</td>
<td>39” long x 39” wide 99 cm long x 99 cm wide</td>
<td></td>
</tr>
</tbody>
</table>

E. **Half Tiles** are designed so that the area can be installed in a staggered layout.

F. **Finishing Kits** are furnished to fill in cuts around posts and play structure mounts at the end of a project to give a clean finished look.

G. **Interlocking Pins** are 4” long and 5/8” in diameter. These are included with every order, four per tile, at no charge.

H. PlayTiles are designed to create fun and games. Several PlayTile series are available, as well as single PlayTiles. Some of the series available are:

- Hopscotch
- Traffic symbols
- Animal crackers
- Space travel
- Alphabet (lower & upper case)
- Four square game

**COLORS:**

- 100% Black
- Terra Cotta Red Pigment
- Forest Green Pigment
- Stone Beige Pigment
- Teak Brown Pigment

Note: Nominal variation in color occurs in all pigmented products. Pigmented tiles are not recommended for high traffic areas because of potential pigment loss.
**Standard Colors:**

<table>
<thead>
<tr>
<th>25% Speckled EPDM</th>
<th>50% Speckled EPDM</th>
<th>75% Speckled EPDM</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Green</td>
<td>• Red</td>
<td>• Beige</td>
</tr>
<tr>
<td>• Orange</td>
<td>• Orange</td>
<td>• Brown</td>
</tr>
</tbody>
</table>

**Interlocking Pins:**
The Playground Tiles are supplied with interlocking pins. These are included with every order, four per tile.

**4. DESIGN & BASIC USE**

a) Dinoflex PlayTile are used outdoors as surfacing around and underneath play structures. Dinoflex PlayTile have been tested for fall height and head impact criteria according to ASTM guidelines and follow the guidelines set up by ADA and CPSC.

b) Dinoflex PlayTile “interlocking system” which provides an easy, self-aligning installation feature that does not require adhesive.

c) Dinoflex PlayTiles can be installed over sub-surfaces which include concrete, asphalt, wood, and well compacted granular bases. Other sub-surfaces shall be approved by Dinoflex.

d) The sub-surface must be evaluated and approved by the installer prior to installation. Specifically, but not exclusively referring to gradient and drainage.

**5. INSTALLATION METHODS**
Refer to Dinoflex PlayTile Installation & Maintenance Guidelines for information relating to sub-surfaces listed:

1) Concrete sub-surface
2) Asphalt sub-surface
3) Wooden sub-surface
4) Compacted granular base

   a) Perimeter containment
   b) Perimeter gluing or spot gluing
   c) Total glue down on hard surface or filter cloth
   d) Compacted granular base

Use adhesives recommended by Dinoflex. Refer to Dinoflex PlayTile Installation & Maintenance Guidelines for more information.

**6. INSTALLATION CONDITIONS**

a) Lay out all the tiles to be installed the next day on or near the sub-surface. Allow tiles to equalize to average ambient temperature for about 12 hours

b) Materials shall be protected from weather extreme temperatures, solvents, and sources of damage prior to and during installation.

**7. TECHNICAL DATA**

**Test Standards for: American Society for Testing and Materials (ASTM)**

- **ASTM C1028** Standard Test Method for Determining the Static Coefficient of Friction by the Horizontal Dynamometer Pull-Meter Method.

### Physical / Chemical Properties

<table>
<thead>
<tr>
<th>TEST PROCEDURE</th>
<th>DESCRIPTION</th>
<th>ACHIEVED VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM C1028-84</td>
<td>Static Coefficient of Friction</td>
<td>(Subject to nominal variation)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dry 0.66, Wet 0.62 (Black)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dry 0.73; Wet 0.81 (Pigment color)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dry 0.79; Wet 0.78 (50% epdm)</td>
</tr>
<tr>
<td>ASTM D573</td>
<td>Aging &amp; Weathering</td>
<td>No Change (75% epdm color)</td>
</tr>
<tr>
<td>ASTM F1292-04</td>
<td>Shock absorbing properties tested</td>
<td>1½”    4 ft</td>
</tr>
<tr>
<td></td>
<td>between 32 and 120 F°, G-Max and</td>
<td>2½”    6 ft</td>
</tr>
<tr>
<td></td>
<td>HIC measured may not exceed 200</td>
<td>3½”    8 ft</td>
</tr>
<tr>
<td></td>
<td>and 1000 respectively at a given fall height.</td>
<td></td>
</tr>
<tr>
<td>ASTM G21</td>
<td>Mildew Resistance</td>
<td>No Change after 14 days</td>
</tr>
</tbody>
</table>

Copies of test reports and additional product information are available upon request.

### 8. INSTALLATION & MAINTENANCE PROCEDURES

Use a qualified or certified installer with experience installing similar recycled rubber surfacing products. Refer to Dinoflex Group Limited Partnership PlayTile Installation & Maintenance Guidelines”.

- Toll Free Tel: 877-713-1899
- Direct Line: 250-832-7780
- Fax: 250-832-7788
- [www.dinoflex.com](http://www.dinoflex.com)

### 9. AVAILABILITY & COST

**Availability**

Please, contact the dealer, distributor, or Dinoflex for information on availability.

**Cost**

Pricing information may be obtained from dealer, distributor, or Dinoflex

### 10. WARRANTY

The standard warranty period is 5 years from date of shipment. Please, see DINOFLEX's limited warranty for particulars of coverage.

### 11. TECHNICAL SERVICES

Contact Dinoflex for more information, where a staff of trained customer service personnel offers design assistance and technical support.

### 12. FILING SYSTEMS

- Architectural Product Information Binder (Division 9)
- [www.dinoflex.com](http://www.dinoflex.com)