# TECHNICAL SPECIFICATIONS

1. PRODUCT NAME
   - STRIDE FITNESS TILES

2. MANUFACTURER

DINOFLEX® Group Limited Partnership

3. PRODUCT DESCRIPTION

Composition & Materials

DINOFLEX® Stride Fitness Tiles are made from a combination of 100% post-consumer recycled SBR (styrene butadiene rubber) and EPDM (ethylene propylene diene monomer) rubber, bonded with a water-based polymer. Colored toppings are made from EPDM granules. All colored toppings are approximately ½" (12 mm) thick with the SBR granules making up the remainder of the tile.

DINOFLEX® Stride Fitness Tiles meet standards specified under the LEED® (Leadership in Energy and Environmental Design) criteria developed by both the U.S. Green Building Council (USGBC) and Canada Green Building Council (CaGBC ).

DINOFLEX® Stride Fitness Tiles are FloorScore(R) certified under the criteria developed by the Resilient Floor Covering Institute (RFCI) and certified by Scientific Certification Systems (SCS), Inc. Registration # SCS-FS-02144.

Special Considerations:

Fitness Centers: 1 ½" Tile not recommended for use under cardio equipment.

DINOFLEX® Stride Fitness Tiles and accessories:

A. Stride Fitness Tiles

| Tile Size: | Thickness: |
|---|---|
| 24" x 24" = 4 ft²<br>61 cm x 61 cm = 0.37 m²<br>(2' x 2' square tile) | • 1" / 25 mm<br>• 1½" / 38 mm |

NOTE: All measurements are subject to nominal variation.

B. Wedges & Wedge Tiles are used around the perimeter of an area to create a transition. They can be adhered with adhesive to the edge of the tile and/or glued to the sub-surface.

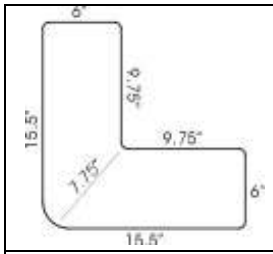
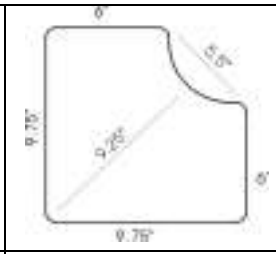
Dimensions:

| | |
|---|---|
| 1" / 25mm transition wedge: | 36 ¼" long x 4" wide = 1.0 sq.ft<br>92.0 cm long x 10 cm wide = 0.92 m² |
| 1½" / 38mm transition wedge: | 19½" long x 6" wide = 0.81 sq. ft.<br>49.5 cm long x 15.2 cm wide =0.075 m² |

C. Corner wedges, designed for use on all 90° angles.
(Note: corners for 1" tiles must be fabricated on site from 36" 1" wedge piece)

Dimensions: (available in outside and inside format)

| | |
|---|---|
| 1½" / 38mm outside corner wedge: | 9¾" long (inside edge) x 6" wide = .41 sq. ft.<br>24.8 cm long x 15.2 cm wide =0 .038 m² |
| 1½" / 38mm inside corner wedge: | 9¾" long (outside edge) x 6" wide = .41 sq. ft.<br>24.8 cm long x 15.2 cm wide =0 .038 m² |

| | |
|---|---|
|  |  |
| 1½" outside corner | 1½" inside corner |

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

E. Interlocking Pins are included with every order, four per tile:
1" Tiles : 2.5" long and ¼" in diameter
1 ½" Tiles: 3.5" long and 5/8" in diameter.

## COLORS:

Standard Colors (no minimum order required):
Includes: 100% Black

| | | | | | |
|---|---|---|---|---|---|
| Low Color | • CITRINE | • AMBER | • TOPAZ | • EMERALD | • RUBY |
| High Color | • GARNET | • SAPPHIRE | • JADE | • QUARTZ | • JASPER |

### Custom Colors:

Custom colors available upon request using a combination of the 26 EPDM colors below. Create your own custom blend in concentrations up to 75% color. Minimum order of 24 tiles, order in 4 tile multiples.

| | | | | | |
|---|---|---|---|---|---|
| • RED | • BLUE | • BEIGE | • GREY | • EGGSHELL | • BROWN |
| • GREEN | • PURPLE | • TURQUOISE | • ORANGE | • BLUE-GREY | • CAPRI-BLUE |
| • PINE GREEN | • MEADOW | • ROYAL BLUE | • ROSE | • YELLOW | • KHAKI |
| • EARTH YELLOW | • MYSTIC AQUA | • PEARL | • KASHMIR | • ASH GREY | • CHARCOAL |
| • FAWN | • SEPIA BROWN | | | | |

*NOTE – VARIATION IN UV STABILITY CAN OCCUR IN CUSTOM COLOR MIXES

## 4. DESIGN & BASIC USE

DINOFLEX® STRIDE Fitness Tiles are designed for use in sport and fitness facilities. The superior sound reduction qualities of Stride Fitness Tiles make them the ideal solution for areas where excessive sound transference between floors, or from room to room has been identified. Stride Fitness Tiles should be considered in fitness facilities which are located over occupied spaces in schools, hotels, heath care, residential and commercial sports facilities.

a) DINOFLEX® Stride Fitness Tile's "interlocking system" provides an easy, self-aligning installation feature that does not require adhesive. Interlocking pins or tubes are included with every order, four per tile.

b) DINOFLEX® Stride Fitness Tiles can be installed over sub-surfaces which include concrete and wood. Other sub-surfaces shall be approved by DINOFLEX®.

Limitations
The following chemicals may cause damage to the surface and should be avoided: kerosene, solvents, grease, auto oil, animal or vegetable oil/fat, and highly concentrated acids and bases.
This product is not suitable for service environments that have heavy vehicular traffic, rolling or sliding machinery, or similar uses.

## 5. INSTALLATION METHODS

DINOFLEX® Fitness Tiles should be installed by experienced floor covering installer.
Refer to DINOFLEX® Fitness Tile Installation & Maintenance Guidelines for information relating to sub-surfaces listed:

- Concrete sub-surface
- Wooden sub-surface

## 6. INSTALLATION CONDITIONS

a) All other finishing work such as sanding, painting and overhead work must be completed prior to installing Stride Fitness Tiles.

b) Lay out all the tiles on or near the sub-surface for installation the next day. Allow tiles to acclimatize to average ambient temperature.

c) Materials shall be protected from weather and 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 C423 Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
- ASTM D395B Standard Test Methods for Rubber Property-Compression Set under force
- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Eastover's –Tension
- ASTM D2047-04 Standard Test Method for Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine
- ASTM D2240 Standard Test Method for Rubber Property-Durometer Hardness
- ASTM D4060 Standard Test Method for Abrasion resistance of Organic Coatings by the Taber Abrader
- ASTM E492 Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine.
- ASTM E648-10 Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
- ASTM E1007 Standard Test Method for Field Measurement of Impact Sound Transmission
- ASTM F970-00 Standard Test Method for Static Load Limit (1000 lbs)
- California Specification 01350 (CHPS Compliant for VOC Emissions) - -Emission tests are performed following California Dept. of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, CA/DHS/EHLRB/R-174, 07/15/04 (http://www.cal-iaq.org/VOC/Section01350_7_15_2004_FINAL_PLUS_ADDENDUM-2004-01.pdf).

Physical / Chemical Properties

A) Stride Fitness Tile – Black and Low color – Citrine, Amber, Topaz, Emerald, Ruby

| TEST PROCEDURE | DESCRIPTION | ACHIEVED VALUES (Subject to nominal variation) |
|---|---|---|
| ASTM C423 | Noise Reduction Coefficient | Sound Absorption 0.34<br>NRC 0.35 |
| ASTM D2047.04 | Static Coefficient of Friction (James Machine) | Dry 0.65, Wet 0.67 |
| ASTM D2240 | Hardness Shore A Durometer | 65 |
| ASTM D395 | Compression Set Under Force (method B) | 97.8% Recovered |
| ASTM D412 | Tensile Strength | 124.5 lbs/square inch |
| ASTM D4060 | Taber Abrasion (H-19) 1000 g load | 0.18% wt. loss |
| ASTM E492 | Lab Measurement - Impact Sound Transmission | IIC = 58 |
| ASTM E1007 | Field Measurement - Impact Sound Transmission<br>Stride 1.5" Tile | FIIC 61 - Pass<br>Code Requirement: FIIC 45 |
| ASTM E648 | Critical Radiant Flux of Floor-covering systems Using a Radiant Heat Energy Source | Contact DINOFLEX® for results |
| ASTM F970 | Static Load Limit (1000 lbs) | 0.006 inch residual compression |
| CA 01350 | VOC Emissions – Section 01350 | Pass |

B) Stride Fitness Tile – High Color – Garnet, Jade, Jasper, Quartz, Sapphire

| TEST PROCEDURE | DESCRIPTION | ACHIEVED VALUES (Subject to nominal variation) |
|---|---|---|
| ASTM C423 | Noise Reduction Coefficient | N/A |
| ASTM D2047.04 | Static Coefficient of Friction (James Machine) | Dry 0.65, Wet 0.67 |
| ASTM D2240 | Hardness Shore A Durometer | 68 |
| ASTM D395 | Compression Set under Force (method B) | 98.1% Recovered |
| ASTM D412 | Tensile Strength | 174.31 lbs/square inch |
| ASTM D4060 | Taber Abrasion (H-19) 1000 g load | 0.21% wt. loss |
| ASTM E492 | Lab Measurement - Impact Sound Transmission | N/A |
| ASTM E1007 | Field Measurement - Impact Sound Transmission | N/A |
| ASTM E648 | Critical Radiant Flux of Floor-covering systems Using a Radiant Heat Energy Source | Contact DINOFLEX® for results |
| ASTM F970 | Static Load Limit (1000 lbs) | 0.008 inch residual compression |
| CA 01350 | VOC Emissions – Section 01350 | Pass |

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

## 8. WARRANTY

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