



**ARCHITECTURAL SPECIFICATIONS GUIDELINES  
RECYCLED RUBBER WITH SYNTHETIC TURF  
INDOOR APPLICATIONS  
DINOTURF**

**Section 09 65 19**

**Resilient Tile Flooring**

**Section 09 62 00**

**Athletic Tile Flooring**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Resilient tile flooring and accessories.

**1.2 RELATED SECTIONS**

- A. Section 03 30 00 - Cast-in-Place Concrete.
- B. Section 06 10 00 - Rough Carpentry.
- C. Section 07 26 00 - Vapor Retarders.
- D. Section 09 62 00 – Athletic Flooring
- E. Section 09 65 16 - Resilient Sheet Rubber Flooring.
- F. Section 09 65 13 - Resilient Base and Accessories:

**1.3 SUBMITTALS**

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements
- B. Product Data: Provide detailed data on each product to be used including but not limited to the following information as applicable:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
  - 4. Maintenance recommendations.
- C. Selection Samples: For each color specified two sets of each type and thickness of recycled rubber/turf synthetic flooring.
- D. Verification Samples: For each finish product specified, two 6" x 6" sets of each type and thickness of recycled rubber/turf of actual product, including variations, as proof of application compliance.
- E. Closeout Submittals: Submit three copies of the following:
  - 1. Maintenance and operation data includes - methods for maintaining installed products, and

precautions against cleaning materials and methods detrimental to finishes and performance.  
2. Documentation of warranty specified herein.

F. Flame Spread Certification: Submit manufacturer's certification that resilient flooring furnished for areas indicated to comply with required flame spread rating has been tested and meets or exceeds indicated or required standard.

G. MSDS: Submit manufacturer's Material Safety Data Sheets for specified adhesives/sealers

#### 1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum two years experience and completed at least three projects of similar magnitude, material and complexity. Upon request, provide project references including contact names and telephone numbers for three projects.
- B. Provide recycled rubber/turf flooring products manufactured by a Canadian firm with a minimum of 20 years experience in the fabrication of such products, and of types equivalent to those specified.
- C. Provide products with a minimum of 5 Year Limited Manufacturer's Warranty

#### 1.5 DELIVERY, STORAGE & PROTECTION

- A. Delivery: Deliver materials in manufacturer's original, unopened, undamaged wrapping and/or containers with identification labels intact clearly marking edge type, thickness and shade of color(s).
- B. Inspection: Inspect all deliveries to ensure undamaged goods, and for accurate product type for thickness, edge type and color. Contact manufacturer immediately if product is damaged or inconsistent with order specifications.
- C. Storage and Protection: Carefully handle all materials and store protected from exposure to harmful weather and at temperature conditions recommended by the manufacturer. Remove pallet banding if long term storage is required, but leave other packaging intact until acclimation is to be started.
- D. Flooring material and adhesive (if required) shall be acclimated to the installation area for a minimum of 24 hours prior to installation. See manufacturer's installation guidelines for details on proper acclimation procedures. Longer acclimation may be required if product has been stored for extended time periods.

#### 1.6 PROJECT CONDITIONS

- A. Environmental Requirements/Conditions: In accordance with manufacturer's recommendations. Areas to receive flooring shall be clean, level, dry, fully enclosed, weather tight with the permanent HVAC set at a uniform temperature of at least Maintain 68F/20C degrees and less than 85F/30C continuously prior to, during and after installation, but for not less than 48 hours prior to and during, and for not less than 48 hours after installation. The flooring material shall be conditioned in the same manner prior to installation.
- B. Close spaces to traffic during flooring installation and for a period of time after installation as recommended in writing by the manufacturer.
- C. Install flooring materials and accessories after all other finishing operations, including painting, have been completed.
- D. Where demountable partitions and other items are indicated for installation on top of flooring

material, install flooring material before these items are to be installed.

- E. Concrete substrates should not exceed 80 percent RH and/or 5 lbs. X 24 hrs. X 1000 sf. moisture vapor emissions rate tested in accordance to ASTM F 2170 and ASTM F 1869.

## 1.7 WARRANTY

- A. Warranty Period: Manufacturer's standard 5 Year Warranty against manufacturing defects.

## 1.8 EXTRA MATERIALS

- A. Deliver to owner extra material of each tile type and color, in quantities not less than 2% of total area installed for each product. Delivery, storage and protection of extra materials shall comply with manufacturers standard requirements.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Dinoflex Group LP which is located at 5590-46<sup>th</sup> Avenue SE, Salmon Arm, BC Canada; Toll Free Tel: 1-877-713-1899; Fax: 1- 800-305-2109. Email: [info@dinoflex.com](mailto:info@dinoflex.com); Web: [www.dinoflex.com](http://www.dinoflex.com).
- B. Substitutions not permitted.
- C. Requests for equals will be considered in accordance with provisions of Section 01 60 00 - Product Requirements

### 2.2 RESILIENT/RECYCLED RUBBER AND SYNTHETIC TURF FLOORING TILES

- A. Material shall be a non-vulcanized, laminated tile product with synthetic turf top layer. Backing layer composed of post-consumer recycled SBR (styrene butadiene rubber) bound with a proprietary slow-cured MDI water-based polymer. Layers to be laminated together with a proprietary fast cure adhesive.
- B. All tiles shall be produced in block form (rubber backing not cut from rolled material) sliced and precision cut using computerized numerically controlled (CNC) water-based equipment. Thickness tolerance is a maximum of +/- 0.5mm for the rubber backing.
- C. Edge finish and product size shall be **(Enter specified selection)**
  - 1. Square (38" x 38")
  - 2. Interlocking (37" x 37")
  - 3. Custom Cut size to be specified
- D. Thickness shall be **(Enter specified selection)**
  - 1. Choose from: 22mm (16mm+6mm); 24mm (16mm+8mm) or 26mm (16mm+10mm)
- E. Color(s) of synthetic turf **(Enter specified selection)**
  - 1. Choose from manufacturers list of colors
- F. Physical properties shall conform to the requirements of the following minimum criteria:

### A) DinoTurf Technical Data

Category	Results
Pile height	16mm
Density	77700
Dtex	6500
Coating	SBR coating
Size	38"x38" Glue Down; 37"x37" Interlocking
Backing Thicknesses	6mm, 8mm, 10mm and 12mm
Warranty	5 years limited
Consist	anti-aging, pullout force, aberration
Color	Solid Green
Application	Indoor and Outdoor Use

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

### 2.3 ACCESSORIES

#### A. ADHESIVES *(Use this section for square cut edge finish)*

Provide adhesives according to manufacturer's recommendations and installation guidelines for specific substrate, and use only one of the following adhesives approved by the manufacturer:

1. DinoGrip Adhesive, one-component urethane, volatile organic compound (VOC) compliant.
2. Chemrex CX-941 Adhesive, one-component urethane, volatile organic compound (VOC) compliant.

B. Portland based cementitious base leveler. Gypsum based not acceptable.

### PART 3 EXECUTION

#### 3.1 EXAMINATION

A. Inspect floor to be installed immediately upon arriving at job site; perform a moisture test.

B. Do not begin installation until substrates have been properly prepared.

C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

D. The installation of the rubber/turf flooring shall not begin until the work of all other trades has been completed, particularly wet and overhead trades; sheet rock work, sanding and painting.

E. Areas to receive flooring shall be adequately lighted during all phases of the installation process.

#### 3.2 PREPARATION

A. Ensure that substrate is dry and clean, and shall be free of depressions, raised areas or other defects that might telegraph through installed flooring.

B. Ensure that concrete or plywood substrate is flat and uniformly sloped. Allowable variations in substrate levels are +/- 1/8" in 10'-0" and 1/4" total maximum variation from levels shown.

C. Concrete Substrates: The Contractor shall verify to the Owner and installer a minimum of 30 days

prior to the scheduled resilient flooring installation the following substrate conditions. All substrate testing shall be documented and submitted to the Architect and Owner before commencement of the flooring installation.

1. Verify that substrates are dry, free of debris, and that all curing compounds, sealers, and hardeners have properly cured.
2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
3. Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer. Proceed with installation only after substrates pass testing.
4. Moisture Testing: Perform tests recommended by manufacturer and as follows. Proceed with installation only after substrates pass testing

### 3.3 INSTALLATION of RECYCLED RUBBER/TURF FLOORING TILES

- A. Do not proceed with floor surfacing installation until all applicable site work, including substrate preparation, painting, equipment installation and other relevant work by trades affecting the installation area, has been completed.
- B. Install all products in accordance with the manufacturer's Installation Guidelines.

### 3.4 CLEANING

- A. If installers have left any adhesive residue on the rubber flooring, contact Dinoflex to determine possible solutions for removal. Do not use mineral spirits to clean adhesive off the tiles.
- B. Initial Cleaning: After completion of installation and before acceptance by Owner, perform the cleaning operations as prescribed in the manufacturer's Installation/Maintenance Guidelines.

### 3.5 PROTECTION

- A. Protect the installed surface from damage resulting from subsequent construction activity on the site using craft paper, plastic sheet or other appropriate means.
- B. Touch-Up: Repair any minor damage to eliminate all evidence of repair. Remove and replace work which cannot be satisfactorily repaired.
- C. If recommended for this project, apply recommended sealer following manufacturer's guidelines.

### 3.6 MAINTENANCE

- A. Comply with manufacturer's instructions for proper cleaning and maintenance of the products.

## END OF SECTION

***These Architectural Specification Guidelines are intended for use by design and specification professionals as a template aid to specify and describe Dinoflex products as part of the written Specifications component of Construction Contract Documents.***

***The data contained in this document is accurate as of the date of publication. Updates and revisions may have been made since this date. If verification is needed that this data is still current, please contact Dinoflex at (250) 832-7780.***