



## Specification Data -- RESILIENT TILE FLOORING 09 65 19

### Endura Skate and Spike Resistant Tile Specification -- 6 mm and 9 mm

#### 1.01 MATERIALS

A. General: Endura rubber flooring shall be made of 100 percent synthetic virgin rubber (no regrind) and of such quality to allow for high resilience and slip retardants, plus finely ground stabilizing fillers, high density of fade-resistant color pigments to assure color brilliance and color uniformity throughout the material, migrating waxes and soil-releasing agents. These components are blended, calendared and then vulcanized.

B. Colors: Select from manufacturers standard array of solid and Flecksibles colors. Custom colors are available for orders larger than 2,500 feet.

C. Warranties: Endura shall provide a full one (1) year warranty on materials and workmanship to be free from defects. Endura will also warrant their products against excessive wear under normal conditions with a ten (10) year limited wear warranty. (See Warranty for details)

D. Profile: "Sculptured" textured surface that minimizes wear of spikes, cleats, and skates.

#### E. Rubber flooring: Physical properties

- 1) Tile dimensions: 36" x 36"; 914 mm x 914 mm
- 2) Tile thickness: .236" (6 mm) OR .354" (9 mm) (Golf Spike and Free Weight Applications)
- 3) Tile weight:
  - 6 mm -- 2.0 lbs. per square foot, 18 lbs. per tile
  - 9 mm -- 3.0 lbs. per square foot, 27 lbs. per tile

#### F. Test results:

- 1) Shore Hardness "A" (ASTM D-2240) 83 + 3
- 2) Tensile Strength (ASTM D-412) minimum 900 psi
- 3) Elongation (ASTM D-412) minimum 200%
- 4) Water absorption (ASTM D-570) less than 0.3%
- 5) Initial indentation (Federal Test 3221) 60 + 10%
- 6) Residual indentation (Federal test 3221) 5 + 5%
- 7) Tabor abrasion (ASTM-C-501) H-18 wheel, 500 gram load, 1,000 cycles. Less than 1 gram loss
- 8) Slip-resistance (static coefficient of friction ASTM D-2047-85) greater than or equal to .6 for accessible areas and .8 for ramps as recommended by ADA.
- 9) Critical Radiant panel (ASTM-E-648) minimum 1.02 watts- Class 1.
- 10) Static load (psi): 1,200

D. Adhesives: The recommended adhesives listed below are both solvent free, two part adhesives for use above, on or below grade concrete or wood subfloors. Refer to the installation instructions for curing times.

- 1) Burke BR 721 Epoxy Adhesive
- 2) Burke BR 725 Urethane Adhesive

## PART 2-EXECUTION

### 2.01 SUBFLOOR CONDITIONS

- A. Comply with Endura recommendations for proper subfloor conditions.
- B. Subfloor shall be dry, clean and free of any depression or raised areas.
- C. Concrete subfloors shall be cured for a minimum of 30 days without the use of curing, hardening and breaking compounds. If any have been used do not proceed until the compounds have been removed.
- D. Ensure that on-grade or below-grade concrete installations were installed with a vapor barrier below the slab. If no vapor barrier was installed, do not proceed.

### 2.02 SUBFLOOR PREPARATION

- A. General: Perform preparation of subfloor in compliance with Endura installation instructions.
- B. Concrete subfloors should be tested for excessive moisture content. No more than 3 pounds per 1,000 square feet per 24 hour day.
- C. Conduct an adhesion test as recommended.
- D. Cracks, depressions and rough areas should be cleaned and filled with a cementitious leveling compound with no less than a 2,500 psi rating when fully cured. Leveling compounds must be formulated of non-gypsum materials.

### 2.03 APPLICATION

- A. General: Install Endura rubber flooring in strict compliance with Endura installation instructions.
- B. Do not apply rubber tile over expansion joints
- C. During the period 24 hours prior to installation as well as throughout the adhesive curing period, the subfloor temperature should be at 72 F and must not be colder than 59 F or warmer than 85 F.
- D. Once brought to ambient temperature, install tile so that all tiles are laid in the same direction. This will be noted by a logo on the surface of the tile and/or directional arrows on the back of the material.
- E. Adhere tile to subfloor utilizing Endura's recommended adhesives. Proper trowel size must used (1/16" x 1/16" x 1/16" square notched trowel). Material must be rolled with a 150 pound roller per Endura's installation instructions.

#### 2.04 CURING, CLEAN-UP AND PROTECTION

- A. Follow Endura's installation instructions for proper curing times as well as clean-up and floor protection recommendations.
- B. Limited foot traffic and no wheeled conveyances are allowed until after the adhesive is fully cured. Protect rubber flooring materials from damage or wear during construction.
- C. After proper curing time for adhesive, clean rubber flooring just prior to final inspection using materials and procedures recommended by Endura.