

SECURE LOCK INTERLOCKING TILES

Product Guide Specification

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Resilient, Interlocking, Playground safety surfacing tiles.

1.2 REFERENCES

- A. ASTM F1292-17a - Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.
- B. ASTM D 2859 – Standard Test Method for Flammability of Finished Textile Floor Covering Materials as directed in Federal Document DOC FF 1-70.
- C. ASTM C 1028 – Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull Meter Method.
- D. ASTM D 3676 – Standard Specification for Rubber Cellular Cushion Used for Carpet or Rug Underlay.
- E. ASTM D 3389 – Standard Test Method for Coated Fabrics Abrasion Resistance (Rotary Platform Double-Head Method).
- F. ASTM D 412 – Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers.
- G. ASTM D 624 – Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers.
- H. ASTM C 1026 – Standard Test Method for Measuring the Resistance to Freeze-Thaw Cycling
- I. ASTM D 573 – Standard Test Method for Rubber-Deterioration in an Air Oven (*Heat Aged*).
- J. ASTM E 648-10 – Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
- K. ASTM F 1951-09 – Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.

- L. ASTM F 1551-03 – Standard Test Methods for Comprehensive Characterization of Synthetic Turf Playing Surfaces and Materials: Suffix-DIN 18-035, Part 6: Water Permeability of Synthetic Turf Systems and Permeable Bases.
- M. ASTM D 395 – Standard Test Methods for Rubber Property-Compression Set Method B: Compression Set Under Constant Deflection in Air.
- N. ASTM D 2240 – Standard Test Method for Rubber Property-Durometer Hardness.
- O. ASTM C 501, 2009 – Standard Test Method for Relative Resistance to Wear of Unglazed Ceramic Tile by the Taber Abraser.
- P. IPEMA Certified

1.3 SUBMITTALS

- A. Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including installation and/or subsurface recommendations.
- C. Samples: Submit manufacturer's sample of 1 full tile.
- D. Test Reports: Submit certified test reports from qualified independent testing agency indication results of the following tests:
 - 1. Impact Attenuation: ASTM F1292-17a.
 - 2. Freeze Thaw: ASTM C 1026.
 - 3. Rubber Deterioration/ Air oven: ASTM D 573.
 - 4. Compression Set: ASTM D 395.
 - 5. Tensile Strength: ASTM D 412.
 - 6. Elongation at Break: ASTM D 412.
 - 7. Tear Strength: ASTM D 624.
 - 8. Wear Coarse Density (durability).
 - 9. Durometer Hardness: ASTM D 2240.
 - 10. Taber Abrasion: ASTM C 501.
 - 11. Flammability: ASTM D 2859
 - 12. Static Coefficient of Friction: ASTM C 1028.

- E. Certificate of Compliance: Submit manufacturer's certificate of compliance indicating materials comply with specified requirements.
- F. Maintenance Instructions: Submit manufacturer's maintenance and cleaning instructions.
- G. Warranty: Submit Manufacturer's standard warranty.

1.4 QUALITY ASSURANCE

- A. Installer's Qualifications:
 - 1. Installers must have successful experience in installation of playground safety surfacing tiles of similar type to that specified, with a minimum of 20 projects completed within last 5 years.
 - 2. Employ persons trained for installation of playground safety surfacing tiles and are approved by manufacturer

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage:
 - 1. Store materials in accordance with manufacturer's instructions.
 - 2. Playground Safety Surfacing Tiles:
 - a. Store tiles in a dry area prior to installation.
 - b. Protect tiles from direct sunlight before installation.
 - 3. Adhesive: Store adhesive in a dry area at a minimum temperature of 40 degrees F.
- C. Handling: Protect materials during handling and installation to prevent damage.

1.6 ENVIRONMENTAL REQUIREMENTS

- A. Air Temperature: The air temperature should be a minimum of 40 degrees F (4 degrees C) and preferably climbing for a minimum of 24 hours before and during installation.
- B. Tile Temperature: Ensure surface temperature of playground safety surfacing tiles is a minimum of 50 degrees F (10 degrees C) at the time of installation.
- C. Tile or Air Temperatures: Consult manufacturer's installation instructions for modified installation procedure when tile or air temperatures are above 85 degrees F (29 degrees C).

1.7 WARRANTY

- A. Materials and Workmanship: Playground safety surfacing tiles shall be warranted for defects in materials and workmanship for 10 years from date of Final Acceptance (i.e. Notice of Completion).

PART 2: PRODUCTS

2.1 MANUFACTURER

RUBBER DESIGNS LLC. 3125 Skyway Circle Melbourne, FL 32934 Toll Free 800-858-0519:
www.gtimpax.com