

Rubber Designs Interlocking Tiles Product Guide Specification

Notes: This section covers “Rubber Designs Interlocking Tiles” resilient, interlocking, playground safety surfacing tiles. Consult RUBBER DESIGNS, LLC for assistance in editing this section for the specific application.

PART 1: GENERAL

1.1 SECTION INCLUDES

- A. Resilient, Interlocking, Rubber Designs Tile.

1.2 REFERENCES

- A. ASTM F 1292 – 04 – Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.

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. 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
- B. IPEMA Certification;
 - 1. Manufacture has complied with all IPEMA testing and

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. Playground Safety Surfacing Tiles:
 - a. Store tiles in a dry area prior to installation.
 - b. Protect tiles from direct sunlight before installation.
- C. Adhesive: Store adhesive in a dry area at a minimum temperature of 40 degrees F.
 - 1. 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 for a minimum of 12 hours before and during installation.

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 purchase on normal wear and proper cleaning and maintenance. Please refer to our warranty
- B. Performance: Playground safety surfacing tiles shall be warranted to meet drop height performance requirements of ASTM F 1292. For 10 years. *** Warranty applicability on performance, tile thickness selection must be commensurate with achieving 40% better than the recommended ASTM 1292 1000 Hic measurement for that specific projects Fall Height.

PART 2: PRODUCTS

2.1 MANUFACTURER

Rubber Designs, LLC
3125 Skyway Circle, Melbourne, FL 32931
Phone: 706.383.7528
Web: www.RubberDesigns.com

2.2 PLAYGROUND SURFACING TILES

- A. Tiles: "Rubber Designs Interlocking Tile".
 - a. Critical Fall Height 10 Feet:
 - b. 4 1/4" - Inch Thickness: 39.0 pounds
 - c. Colors: Green, Terra Cotta, Brown, Black, Gray, Blue, Beige or EPDM

2.3 ACCESSORIES

- A. Corners Transitions
 - a. Prefabricated outside and inside corners.
 - b. Material: Same as playground safety surfacing tiles.
- B. Ramps:
 - a. Prefabricated Ramps:
 - b. Prefabricated ADA-Compliant Ramps:
 - c. Material: Same as playground safety surfacing tiles.
- C. Edging:
 - a. Prefabricated Curb Edging:
 - b. Material: Same as playground safety surfacing tiles.
- D. Adhesive: Mastic
 - a. Material - MSDS

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PART 3: EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive playground safety surfacing tiles. Notify responsible parties if areas are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

3.2 PREPARATION

- A. Prepare subsurface in accordance with manufacturer's instructions to ensure proper support and drainage for playground safety surfacing tiles.

Notes: Specify subsurface of granular aggregate, concrete, or asphalt.
It is critical that a proper subsurface drainage system be constructed, or the tile surface may not stay level and may cause damage to surfacing.

- A. Granular Aggregate Subsurface: Compacted, granular aggregate subsurface shall be as specified in sub straight procedures; however, it is advised to hire a professional.
- B. Concrete Subsurface:
 - a. Concrete subsurface shall be as specified.
 - b. Apply light broom finish.
 - c. Ensure concrete is sound with no loose material.
 - d. Ensure concrete is a minimum of 28 days old.
 - e. Power wash existing concrete in accordance with manufacturer's instructions.
- C. Asphalt Subsurface:
 - a. Asphalt subsurface shall be as specified.
 - b. Ensure asphalt is sound with no loose material or cracks.
 - c. Ensure asphalt is a minimum of 28 days old.
 - d. Power Wash existing asphalt.

3.3 INSTALLATION

- A. Install Rubber Designs Interlocking tiles in accordance with manufacturer's instructions at locations indicated.
- B. Ensure prepared subsurface and tiles are dry and clean.
- C. Layout tile surface in accordance with manufacturer's instructions.
- D. Install tiles in single installation session, if possible.