



Eco-\$mart, Inc.

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Healthy, Efficient, Disaster Resistant Products for Better Living

eco-rubber Outdoor Tiles

TECHNICAL SPECIFICATIONS

PRODUCT NAME: Eco-Rubber Outdoor Tiles

PRODUCT DESCRIPTION

Composition & Materials

Eco-Rubber Tiles are formulated from a combination of 100% post-consumer recycled SBR (styrene butadiene rubber), EPDM (ethylene propylene diene monomer) rubber and polyurethane. Colored toppings are made up of either EPDM granules or SBR granules mixed with pigment color. All colored toppings are approximately 1/2" thick with the SBR granules making up the remainder of the tile.

Dimensions:

Eco-Rubber Tiles come in two sizes and three thicknesses to meet your specific requirements.

Sizes:

19 - 1/2" x 19 - 1/2" (495 mm x 495 mm) 2.65 sq. ft. per tile

24" x 24" (700 mm x 700 mm) 4 sq. ft. per tile

Thickness:

1-1/2" (38 mm) Fall height up to 4 ft.

2-1/4" (57 mm) Fall height up to 6 ft.

3-1/2" (89 mm) Fall height up to 10 ft.

NOTE: All measurements are nominal and subject to variation.

SOLID COLORS

Black - Brick Red - Jungle Green - Beach Beige - Earth Brown

COLOR SPECKS

Brown - Beige - Red - Green - Orange at 25% - 50% - 75% Concentration

ACCESSORIES

Wedges & Wedge Tiles are used around the perimeter of an area to create a transition. They can be adhered to the edge of the tile and/or glued to the sub-surface. Different colored wedges can be used to create a "warning strip".

Dimensions:

1-1/2" transition wedge - 1-1/2" x 19-1/2" long x 19-1/2" wide (38 mm x 495 mm x 495 mm)

2-1/4" transition wedge - 2-1/4" x 19-1/2" long x 6" wide (57 mm x 495 mm x 152 mm)

3-1/2" transition wedge - 3-1/4" x 19-1/2" long x 12" wide (89 mm x 495 mm x 305 mm)

Corner Wedges compliment the transition wedges. There are inside and outside corner wedges, designed for use on all 90° angles.

Dimensions:

1-1/2" corner wedge - 1-1/2" x 9-3/4" long (inside edge) x 6" wide (38 mm x 248 mm x 152 mm)

2-1/4" corner wedge - 2-1/4" x 9-3/4" long (inside edge) x 6" wide (57 mm x 248 mm x 152 mm)

3-1/2" x 10" long (inside edge) x 12" wide (89 mm x 254 mm x 305 mm)

Wheelchair Ramps are designed to meet ADA requirements for ramp standards.

Dimensions:

2-1/4" wheelchair ramp - 2-1/4" x 24" long x 39" wide (57 mm x 610 mm x 991 mm)

3-1/2" wheelchair ramp - 3-1/2" x 39" long x 39" wide (89 mm x 991 mm x 991 mm)

Half Tiles are designed so that application can be installed in a staggered layout.

Finishing Kits are furnished to fill in cuts around posts and play structure mounts at the end of a project to give a clean finished look.

DESIGN & BASIC USE

Eco-Rubber Tiles are designed primarily for the playground industry as surfacing around and beneath play structures. They are in compliance with ADA, CPSC, and ASTM standards and requirements. Eco-Rubber Tiles are designed with an "interlocking system" which provides easy installation, self-aligning with no adhesive required. Eco-Rubber Tiles can be installed over acceptable sub-surfaces which include concrete, asphalt, wood, and soft ground. The sub-surface must be evaluated and approved by the installer prior to installation. Installer shall also evaluate and approve required drainage and gradient prior to installation.

eco-rubber Outdoor Tile Installation

INSTALLATION METHODS

Eco-Rubber Tiles can be installed over Concrete, Asphalt and Wooden sub-surfaces.

~ Interlocking Tiles can be installed without glue and feature fast, accurate, and secure installation.

Tiles can also be installed using Eco-\$mart recommended adhesives.

INSTALLATION CONDITIONS

A) Before starting, lay out all the tiles you will be installing the next day, on or near the sub-surface. Allow tiles to equalize to ambient temperature for about 12 hours.

B) Materials shall be protected from weather, solvents, and other sources of damage prior to and during installation.

INSTALLATION PROCEDURES

Use a qualified or certified installer with experience installing similar recycled rubber paver products. Eco-\$mart can help you find an installer in your area.

TECHNICAL DATA American Society for Testing and Materials (ASTM)

TEST	DESCRIPTION	RESULT
ASTM C1028	Standard Test Method for Determining the Static Coefficient of Friction by the Horizontal Dynamometer Pull-Meter Method.	Static Coefficient of Friction Dry .67, Wet .64
ASTM F1292-99	Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.	Shock absorbing properties tested between 32 and 120 F°, G-Max and HIC measured may not exceed 200 and 1000 respectively at a given fall height
ASTM E648	Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.	Flammability Performance. Class II (.35 watts/sq. cm.) *Class I achieved with fire retardant added.

AVAILABILITY & COST Contact Eco-\$mart for information on availability. Cost is quoted.

WARRANTY The standard warranty period is 5 years from date of shipment.

TECHNICAL ASSISTANCE Eco-\$mart is ready to help with procuring, installing and maintaining Eco-Rubber Indoor / Outdoor Tiles. Please contact your nearest Eco-\$mart Representative.

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