Eco-$mart, Inc.

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Healthy, Efficient, Disaster Resistant Products for Better Living

eco-rubber Recycled Rubber Mat

TECHNICAL SPECIFICATIONS

PRODUCT NAME: Eco-Rubber Mat

PRODUCT DESCRIPTION

Composition & Materials

Eco-Rubber Mat is formulated from a combination of 100% post-consumer recycled black SBR (styrene butadiene rubber), pigmented SBR, or EPDM (ethylene propylene diene monomer) rubber and polyurethane, homogeneously mixed throughout the entire product, making the tiles far superior to laminated or surface wear products.

Special Considerations:

~ Fitness Centers: recommend interlocking Mat Flooring, no adhesive required.
~ Sport Center Applications: recommend square cut, fully adhered, Sport Mat Flooring for all damp or wet areas.
~ Terrazo Line: not suitable for heavy use areas, recommended as an accent tile only.*

MAT SIZES

Interlocking Mat
37" x 37" (940mm x 940mm) 9.5 sq. ft.

Square-cut Mat (Glue Down)
38" x 38" (965mm x 965mm) 10.02 sq. ft.

Thickness:
5/32" (4 mm)* (glue down only)
1/4" (6 mm)* (glue down only)
5/16" (8 mm)
3/8" (10 mm)
1/2 " (12 mm)

*Glue down recommended in areas with rolling loads.

MAT COLORS

Standard Colors (10%, 30%, 50% Speckling Intensity): Blue - Green - Grey - Red - Beige - Purple - Aqua
Two Color Combinations (10%): Blue/Grey - Blue/Green - Beige/Grey - Aqua/Grey - Red/Grey - Aqua/Purple
Specialty and Custom Colors: See Eco-Rubber Mat Color Chart

DESIGN & BASIC USE

Eco-Rubber Mat Flooring is designed for use in sport and commercial facilities. Excellent impact and sound absorbing qualities make it ideal for use in fitness and ski facilities. It is resistant to skate and spike traffic, thus performs well in ice arenas, locker rooms and golf courses. Superior anti-fatigue properties make it the product of choice for corporate offices and retail establishments. Uses are not limited to those mentioned.

Limitations

The following chemicals may cause damage to the surface and should be avoided: kerosene and solvents.
This product is not suitable for service environments that have heavy vehicular traffic, rolling or sliding machinery, or similar uses.
Eco-Rubber Mat Flooring, square cut or interlock, should not be laid on top of carpet as the floor will shift and move.

TECHNICAL DATA American Society for Testing and Materials (ASTM)

TEST	PROCEDURE	STANDARD COLORS	*TERRAZO
ASTM C501 (H-22)	Standard Test Method for Relative Resistance to Wear of Rubber Tile by the Taber Abraser.	0.8% wt. Loss	4.0% wt. Loss
ASTM C1028-89	Standard Test Method for Determining the Static Coefficient of Friction by the Horizontal Pull-Meter Method.		
ASTM D2047	Standard Test Method for Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine.	Dry 1.04, Wet 1.05	Dry .85, Wet 1.01
ASTM D2240	Standard Test Method for Rubber Property - Durometer Hardness.	Shore A Durometer 64	Shore A Durometer 59
ASTM D3676	Standard Specification for Density Rubber Cellular Cushion Used for Carpet or Rug Underlay.	66.0 lbs/cu. ft.	78.3 lbs/cu. ft.
ASTM D395B	Standard Test Methods for Rubber Property - Compression Set.	Under Force 96.3% recovered	Under Force 94.7% recovered
ASTM D412	Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers - Tension.	290.2 lbs/sq. in.	186.1 lbs/sq. in.

Eco-Rubber Mat - TECHNICAL DATA (Continued)			
TEST	PROCEDURE	STANDARD COLORS	*TERRAZO
ASTM D5116	Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Materials/Products. (V.O.C.)	VOC Pass	NT
ASTM E648-97	Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.	Class II (.23 watts/sq. cm.) *Class I achieved with fire retardant added.	Class I (.84 watts/sq. cm.)
ASTM F150 (NFPA 99)	Standard Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring.	Burroughs - Surface to Surface 10 10 ohms average - Surface to Ground 10 10 ohms average	Burroughs - Surface to Surface 10 11 ohms average - Surface to Ground 10 11 ohms average
ASTM F1914-98	Standard Test Method for Short-Term Indentation and Residual Indentation of Resilient Floor Covering	Short Term Indentation .025 inch (6.0%) Loss Residual Indentation .007 inch (1.7%) Loss	NT
ASTM F970-87	Standard Test Method for Static Load Limit.	Static Load .000 inch (0.0%) Residual Compression	Static Load .042 inch (10.6%) Residual Compression
ASTM F925-97	Standard Test Method for Resistance to Chemicals		
	5% acetic acid	No change	NT
	70% isopropyl alcohol	No change	NT
	Mineral oil	No change	NT
	5% sodium hydroxide	No change	NT
	5% hydrochloric acid	No change	NT
	5% ammonia	No change	NT
	Bleach	No change	NT
	5% phenol	No change	NT
	Gasoline	No change	NT
	Kerosene	Slight	NT
	Sulphuric acid	No change	NT
	Olive Oil	No change	NT
OTHER TESTS	Phillips Roll Chair Test Method for Numeric Rating of Surface Structure.	No change	NT

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

WARRANTY The standard warranty period is 3 years from date of shipment.

TECHNICAL ASSISTANCE Eco-$mart is ready to help with procuring, installing and maintaining Eco-Rubber Mat Flooring. Please contact your nearest Eco-$mart Representative.