

1. PRODUCT NAME

ESD Rubber Tile

2. COMPANY INFORMATION

Flexco Corporation
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3. PRODUCT DESCRIPTION

3.1 Basic Application and Construction

Flexco ESD Rubber Tiles dissipate static electricity in areas where explosive elements are used and static electricity presents a hazard, while helping to control static charges created by the human body. Installing with Flexco's specially formulated conductive adhesive creates a continuous conductive pathway for static charges to flow to the ground point. The dissipative flooring system attacks voltage generation at the source, the floor-shoe or floor-caster interface. When used in conjunction with static control footwear and wrist straps, the Flexco Dissipative Static Control System provides greater mobility in the area. It is ideal in areas requiring a solution for unwanted Human Body Voltage (HBV) with a high level of personnel traffic. Contact Flexco or see www.flexcofloors.com for the latest color selections.

3.2 Product Types

ESD Rubber Tile

- Hammered Finish
- Gauge: .080" (2 mm)
- Sizes: 24" x 24" (609.6 mm x 609.6 mm)
- Custom Color Tile Matching is available
- Custom cut logo designs can be created
- Rubber Welding Rods are available in 0.160" (4 mm) packaged in 50 ft and 400 ft rolls

4. TECHNICAL DATA

ASTM F 1344, Rubber Tile - Class 1, Type B

ASTM F 150, Electrical Resistance - 1×10^6 to 1×10^9

ASTM E 648 (NFPA 253), Critical Radiant Flux - Class 1

ASTM E 662 (NFPA 258), Smoke Density - Passes

ASTM F 925, Resistance to Chemicals - Passes, List of chemicals available

ASTM D 2047, Slip Resistance - > 0.70; dry, flat using neolite sensors

ASTM F 970, Static Load - 250 PSI; Modified 1100 PSI

ASTM F 1515, Light Stability - Passes

ASTM E 595, Outgassing - Excellent

FMVSS 302, Title 49, Part 571, Flammability of Interior Materials - Passes

ASTM G 21, Fungi Resistance - Excellent Resistance

5. PRODUCT LIMITATIONS

- Must be installed using Flexco 66/67 Solvent Free ESD Epoxy Adhesive in accordance with Flexco instructions in order for the product warranty to be in effect
- The use of some types of paper/fabric footwear covers (booties) or similar footwear covers used in hospital or clean room applications may inhibit the slip resistance properties of the flooring

- Wear proper ESD footwear such as heel grounders or ESD shoes to assure proper performance. It is recommended that ESD wrist straps be worn at workstations in conjunction with foot grounders
- Flexco does not recommend the use of floor finishes, sealers or waxes of any kind, as they may form an insulating layer on the tile surface and adversely affect the performance of the product
- May stain if allowed to remain in contact with products that contain staining ingredients such as tires, casters, and walk-off mats
- Ensure that any disinfectant, cleaning agent, dye, pesticide, or other chemical (solid, liquid, or gas) that may come in contact with the flooring will not produce permanent discoloration and/or damage to the flooring
- Not to be used in or near commercial kitchens or other areas exposed to animal fats, greases, oils, solvents, strong detergents or where there is excessive moisture
- Not to be used in areas that may be subjected to sharp spikes, cleats, sharp wheels, or other objects that could damage the flooring
- Use appropriate floor protection devices, dragging or improperly moving furniture or equipment across the surface of the tile or dropping objects onto the surface of the tile may cause permanent damage to the flooring
- Not to be used in direct contact with heat sources, such as radiators, hot ovens or other heated equipment
- Not to be used in outdoor applications

6. INSTALLTION

6.1 General Preparation and Conditioning

- Allow all trades to complete work prior to installation of Flexco ESD Rubber Tile
- Deliver all materials to the installation location in its original packaging with labels intact
- Remove any plastic stretch wrap and strapping from product after delivery to jobsite
- Do not stack pallets of material to avoid any damage
- Maintain the installation area, tile and adhesive between 65° F (19° C) and 85° F (30° C) for at least 48 hours before installation, during installation, and after the installation
- Remove material from cartons and stack evenly on a smooth dry surface no more than 18" high
- Inspect all material for proper type and color
- Conduct the proper moisture emission and pH testing on the substrate

6.2 Substrate Inspection and Preparation

Inspect all substrates prior to installation. All substrates must be clean, smooth, permanently dry, flat, and structurally sound. The substrate must be free of moisture, dust, sealers, paint, curing compounds, parting agents, residual adhesives, adhesive removers, hardeners, resinous compounds, solvents, wax, oil, grease, asphalt, gypsum compounds, alkaline salts, excessive carbonation or laitance, mold, mildew, any other extraneous coatings, films, materials and all other foreign matter which might interfere/restrict proper adhesive bonding. In renovation or remodel work, remove all existing adhesive residue so that 100% of the overall area of the original subfloor/substrate is exposed.

6.3 Adhesive Information

Flexco 66/67 ESD Solvent Free Epoxy Adhesive

- Smooth Substrates, 1/32" x 1/16" x 1/32" U Notch; Coverage is approximately 150 – 175 Square Feet / gallon



- Rough Substrates, 1/16" x 1/16" x 1/16" Flat V; Coverage is approximately 125 – 150 Square Feet / gallon



- VOC Information;
 - Part A; 9 g/L
 - Part B; 20 g/L
 - Mixed; 14.3 g/L
- Green Label Plus Certification
- CHPS Compliant
- LEED Compliant
- Moisture Requirements:
 - ASTM F 1869, Calcium Chloride: 5.0 Lbs
 - ASTM F 2170, Relative Humidity: 75%
 - pH: 9 or less

7. PRODUCT MAINTENANCE

- Neutral pH cleaners
- Initial scrubbing and buff 48 Hours after installation
- Regular scrubbing and buffing as needed
- Daily sweep & Vacuum to remove loose dirt & debris
- No Finishes or Waxes

8. SAMPLES

Obtain Samples calling Flexco Customer Service or by visiting www.flexcofloors.com.

9. AVAILABILITY AND COST

Products are available through Flexco distributors. Contact Flexco Customer Service or visit www.flexcofloors.com for a list of distributors.

10. LIMITED WARRANTY

Limited One (1) Year Manufacturers Warranty

Limited Ten (10) Limited Wear Warranty

Limited Ten (10) Year Conductivity Warranty

Refer to Flexco ESD Rubber Tile Installation or Maintenance documentation for any additional detailed information.

www.flexcofloors.com/technicalsupport/index.html

