



Static Shift

Conductive Force Dissipative Force



Static Shift

Reduce risk with Static Shift. This Electrostatic Discharge (ESD) flooring is a simple solution that prevents the buildup of static electricity. By discharging static safely to ground, Static Shift helps protect against disruptions to highly sensitive equipment and spaces containing combustible materials.

Two styles are available: Conductive Force offers the fastest discharge of built-up static electricity in spaces with highly sensitive equipment and critical applications. Dissipative Force is best for other specialist spaces and applications such as those involving high voltage and explosive materials.

Static Shift protects sensitive equipment and spaces from electrostatic discharge in applications such as:

- Healthcare – surgical procedure and imaging equipment departments
- Colleges and schools – technical, science and R&D areas
- High-tech assembly and manufacturing plants producing or storing semi-conductor chips and other sensitive electronic components
- Battery manufacturing plants and storage areas
- AI development and manufacturing facilities
- Server and data rooms
- Chemical and combustible material manufacturing and storage areas
- All other mission critical spaces such as 911 call centers and aircraft control towers



Learn more at mohawkgroup.com

Cover:
929 Circle Back, 727 New Normal







525 Take Five, 727 New Normal





Colorways

Conductive Force and Dissipative Force are available in 12" x 12" tiles. The five versatile colorways and small-scale, organic visual were developed to suit all types of designs.



929 Circle Back



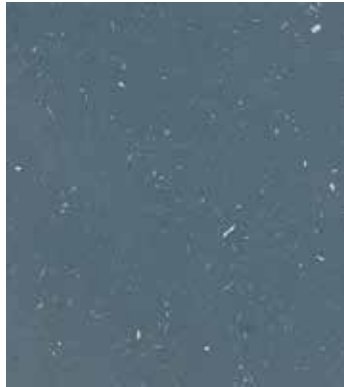
727 New Normal



989 Night Watch



122 On Mute



525 Take Five



AMERICAN-MADE FLOORING

Our ESD flooring is proudly manufactured in the USA, ensuring that you receive a superior product to meet your needs.

Attributes & Applications

Choose from two styles of ESD flooring to fit your static-sensitive application.

Conductive Force	Dissipative Force
Best-in-class, 100% American-made homogeneous conductive ESD tiles	Best-in-class, 100% American-made homogeneous dissipative ESD tiles
25,000–1,000,000 ohms resistance	1,000,000–1,000,000,000 ohms resistance
Fastest static decay—up to 20 times faster than other ESD tiles, assuring the best protection in the industry	<ul style="list-style-type: none">■ All high voltage applications■ Explosive material / combustible material applications across multiple industries
<p>For use with highly sensitive equipment and critical applications, including:</p> <ul style="list-style-type: none">■ Semi-conductor assembly and manufacturing■ Battery manufacturing facilities■ AI technologies and related environments■ Clean rooms■ Pharmaceutical and chemical plants■ Server rooms■ Specialist military applications■ Sensitive healthcare applications■ Emergency / mission critical applications including 911 call centers and aircraft control towers■ Many other high-tech applications across numerous manufacturing, assembly, and service industries	<p>For use with specialist applications related to:</p> <ul style="list-style-type: none">■ Semi-conductor assembly and manufacturing■ Battery manufacturing facilities■ AI technologies and related environments■ Pharmaceutical and chemical plants■ Military applications■ Healthcare applications■ Many other high-tech applications across numerous manufacturing, assembly, and service industries

ATTRIBUTES OF BOTH STYLES

- Protection and electrical performance resulting from the quality and technology of Mohawk Group’s ESD tile design, instead of outdated “copper grids” that are prone to failure and electrical dead spots
- 2,500 psi load rating and highly moisture resistant, assuring high performance in all environments
- Retains static electrical properties indefinitely
- Combines style, function, and protection
- Resists acids, alkalis, and other harsh solvents and chemicals
- 3mm thickness withstands heavy traffic, such as forklifts, telehandlers and medical beds, better than all other tiles
- Emits very low VOC’s, an ideal choice for clean rooms where VOC elimination is critical
- Limited lifetime warranty for electrical performance, limited 25-year warranty for wear







Elemental Edges

WALL BASE

At Mohawk Group we believe in providing project solutions that are easy to select and readily available. Elemental Edges is a portfolio of architectural and cove wall base for your finishing needs. Featuring a range of colors that coordinate with our full product line, Elemental Edges also offers 14 stocked colors in cove wall base.



**ELEMENTAL EDGES
ACCESSORIES**

Specifications

Dissipative Force (C0176)
Conductive Force (C0177)

DESIGN

Product Type	Solid Vinyl Tile
Overall Gauge	3mm
Finish	Buff Finish
Colors	5
Size (Actual & Nominal)	12" x 12"
Packaging	45 tiles per carton / 18.8 oz per tile / 45 sq ft per carton / 36 cartons per pallet / 53.3 lb per carton / 21 pallets per container
Installation & Adhesive	Glue Down <i>For detailed adhesive & installation information visit mohawkgroup.com</i>

ELECTRICAL/ELECTROSTATIC PROPERTIES

Resistance of Flooring Materials	ESD STM 7.1 - Conforms
Electrical Resistance	
Dissipative Force	ASTM F150 - 1,000,000–1,000,000,000 ohms
Conductive Force	ASTM F150 - 25,000–1,000,000 ohms
Electrostatic Propensity	
Dissipative Force	AATCC 134 - <30V
Conductive Force	AATCC 134 - <12V
Static Decay	
Dissipative Force	ASTM F101C Method 4046, 15% RH - 5,000–0V in <0.20 seconds
Conductive Force	ASTM F101C Method 4046, 15% RH - 5,000–0V in <0.01 seconds

PERFORMANCE

Construction	Homogeneous solid vinyl tile that has encapsulated conductive elements of the carbon family distributed throughout the structure
Classification	ASTM F1700 - Class I, Type A - Smooth
Electrically Conductive Floor Coverings	ANSI/UL 779 - Meets UL standard
Life Safety Code	NFPA 101 - Passes
Standard for Health Care Facilities	NFPA 99 - Passes
Fire Resistance	ASTM E84 (Steiner Tunnel) - <25 Class III (26-75)
Squareness	ASTM F2055 - Passes - 0.010" max
Size and Tolerance	ASTM F2055 - Passes - ± 0.016 "/linear foot
Thickness	ASTM F386 - Passes - as specified ± 0.005 "
Flexibility	ASTM F137 - Passes - 1" mandrel
Dimensional Stability	ASTM F2199 - Passes - 0.020"/linear foot max
Static Load Limit	ASTM F970 - Passes - <0.001" RI at 250 psi (1.125" dia ft)
	ASTM F970 (modified) - Passes - <0.005" RI at 2,500 psi (.25" dia ft)
Residual Indentation	ASTM F1914 - Passes, Avg less than 8%, Max Single Reading 10%
Resistance to Chemicals	ASTM F925 - Passes - No more than a slight change
Resistance to Light	ASTM F1515 - Passes, $\Delta E \leq 8$
Resistance to Heat	ASTM F1514 - Passes, $\Delta E \leq 8$
Critical Radiant Flux	ASTM E648 - Class 1 (>0.45 W/cm2)
Smoke Density	ASTM E662 - Passes both flaming and non-flaming - Less than 450

SUSTAINABILITY

Certification	FloorScore® Certified
Carbon	Net-Positive Carbon (Neutral +5%)

SERVICE

Warranties	Lifetime Electrical; 25 Year Wear Warranty <i>For detailed warranty information visit mohawkgroup.com</i>
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