

Botron B4423 Technical Data Sheet



Overview:

Botron's Conductive Soft Foot floor mats and runners are designed to add comfort to hard surfaces. These slip and soil resistant mats are 1/2" thick. They exceed both EOS/ESD and Department of Defense requirements. Available in runners, and pre-cut floor mats with molded edges and grounding hardware.

Product Notes and Features

- Non-slip Design
- Reduces Strain
- Easy To Clean
- Molded Edge
- Non-Skid Backing
- Domed Surface for Added Comfort
- Lead-Free RoHS Compliant

PROPERTIES

SPECIFICATIONS

Material:	Durable 1/2" thick conductive vulcanized rubber
Meets Standards:	ANSI EOS/ESD S4.1 RTG Fed Std 101 Method 4046
Electricals:	Top layer $<10^6$ RTT (Resistance Top to Top) 10^3 - 10^6 Ohms Resistance to Ground 10^3 - $<10^6$ Ohms
Tensile Strength/Mpa:	6.25
Elongation @ Break%:	425
Hardness:	55-66
Specific Gravity:	1.32
Tear Strength:	53.73
Colors:	Black



PART NUMBERS

B4423 2'x 3' 1/2" rubber Soft Foot mat with ground
B4434 3'x 4' 1/2" rubber Soft Foot mat with ground

Botron Company Inc. | 21601 N 21st Ave Phoenix AZ 85027 | Ph# 623-582-6700 | Fax# 623-582-6776

Disclaimer. All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user. The statements herein shall have no force or effect.

INSTALLATION

1. Unroll mat.
2. Attach 10' common point ground B9702 to 3/8" snap on mat.
3. Connect opposite end of wire to ground.
4. Check with your facility people for building ground.

TESTING GUIDELINES

Botron recommends testing ESD mats with the following test equipment: B8582, B8572, B8563, B8560, BSRM6, BSRM10.

Using two 5lbs. weights, placing them approximately 18" apart, conduct the test according to the test equipment which you are using.

Conduct this test to achieve a reading for RTG (resistance to ground) and RTT (resistance top to top) respectively.

When using the BSRM6 and BSRM10, simply place on top of surface of mat and hold down test button to achieve a surface resistance reading.

*Please note, it is recommended to read the testing guidelines provided with the ESD Tester you are using.

GROUNDING

All pre-cut mats come with attached snap and one B9701 floor mat ground. B9701 when properly setup will provide a grounded area for use with heel and toe grounds. For grounding rolls please see hardware (each mat will need a snap and ground to be effective).