

# Botron BEM35 Technical Data Sheet



## Overview:

Type EM Conductive Sponge rubber mats and runners designed to reduce strain from standing on hard surfaces. These slip and soil resistant mats are 5/8" thick with beveled edges on all sides It exceeds both EOS/ESD and department of defense requirements. Available in Black runners, and pre cut floor mats with hardware.

## PROPERTIES

## SPECIFICATIONS

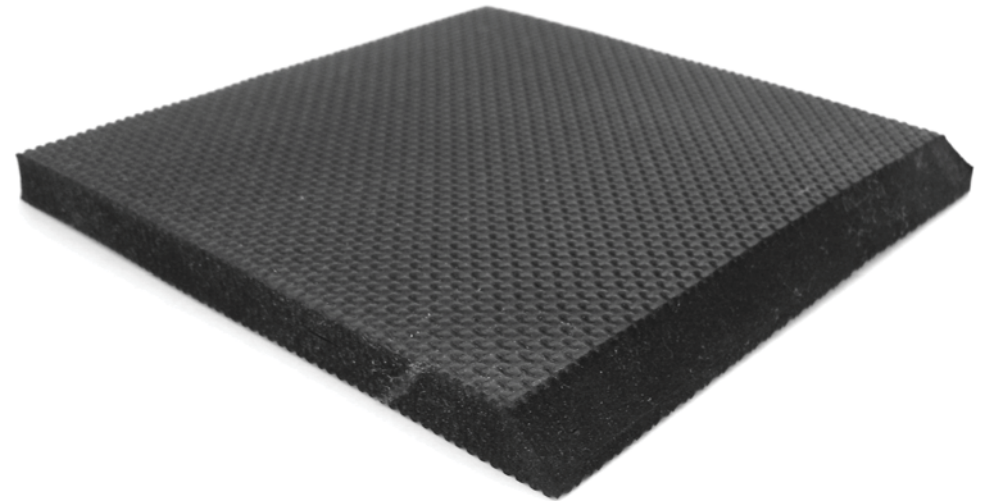
Material:	5/8" Thick Sponge Rubber Construction Dissipative Top Layer
Meets Standards:	ANSI EOS/ESD S4.1 RTG Fed Std 101 Method 4046
Electricals:	Top layer $<10^6$ RTT (Resistance Top to Top) $2 \times 10^5 - <10^6$ Ohms RTG (Resistance to Ground) $3 \times 10^5 - <10^6$ Ohms Charge Decay Time 5000 volts to 50v $<0.01$ Seconds
Colors:	Black

## AVAILABLE APPLICATIONS

20' Runners  
Standard 20" x 3' and 3 x 5 Floor Mats w/ Ground

## Product Notes and Features

- Non-slip Design
- Reduces Strain
- Easy To Clean
- Non-skid Backing
- Cross Hatch Surface Texture
- Lead-Free RoHS Compliant



Botron Company Inc. | 325 W. Melinda Ln 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, 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.

## PART NUMBERS

BEM223 20" X 3' Type EM mat with ground  
BEM35 3'x5' Type EM mat with ground  
BEM320 3' x20' Type EM mat runner

## 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).