

# Botron B4035 Technical Data Sheet



## Overview:

Type DP diamond plate vinyl mats and runners designed to reduce strain from standing on hard surfaces. These slip and soil resistant mats are 1/8" thick, available with or without 9/16" or 1" foam anti-fatigue backing. They exceed both EOS/ESD and department of defense requirements. Available in Black runners, and pre-cut floor mats with molded edges and grounding hardware.

## PROPERTIES

## SPECIFICATIONS

|                  |   |
|------------------|---|
| Material:        | 1/8" thick vinyl construction<br>Available with Heavy Duty 9/16"<br>or Super Duty 1" Thick Cushion<br>Foam Backing<br>Dissipative Top Layer   |
| Meets Standards: | ANSI EOS/ESD S4.1 RTG<br>Fed Std 101 Method 4046  |
| Electricals:     | Top layer <math>10^6</math><br>RTT (Resistance Top to Top)<br><math>10^5</math>-<math>10^6</math> Ohms<br>RTG (Resistance to Ground)<br><math>10^5</math>-<math>10^6</math> Ohms<br>Charge Decay Time 5000 volts<br>to 50v <math><0.01</math> Seconds |
| Colors:          | Black   |

## AVAILABLE APPLICATIONS

Standard 2' x 3' and 3 x 5 floor mats with ground  
Standard 25', 50' and 75' vinyl runners  
Heavy duty anti fatigue 9/16" thick 25', 50' and 75' runners  
Heavy duty anti fatigue 9/16" thick 2' x 3' and 3 x 5 Floor  
Mats with ground  
Super duty anti fatigue 1" thick 25', 50' and 75' runners  
Super duty anti fatigue 1" thick Anti-Fatuge 2' x 3' and 3  
x 5 Floor Mats with ground

## Product Notes and Features

- Non-slip Design
- Reduces Strain
- Easy To Clean
- Long Lasting
- Non-Skid Backing
- Diamond Plate Surface  
Texture
- Lead-Free RoHS Compliant



## 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.

## PART NUMBERS

### Solid Vinyl:

B4223 2'x 3' 1/8" solid vinyl Diamond plate mat with ground  
B4235 2'x 5' 1/8" solid vinyl Diamond plate mat with ground  
B42325 3' x 25' 1/8" solid vinyl Diamond plate mat runner  
B42375 3' x 75' 1/8" solid vinyl Diamond plate mat runner  
B42475 4' x 75' 1/8" solid vinyl Diamond plate mat runner

### 9/16" Heavy Duty (HD) Anti Fatigue:

B4023HD 2'x3' Diamond plate anti fatigue mat with ground  
B4035HD 3'x5' Diamond plate anti fatigue mat with ground  
B40325HD 3'x25' Diamond plate anti fatigue runner  
B40375HD 3'x75' Diamond plate anti fatigue runner  
B40475HD 4'x75' Diamond plate anti fatigue runner

### 1" Super Duty (SD) Anti Fatigue:

B4023SD 2'x3' Diamond plate anti fatigue mat with ground  
B4035SD 3'x5' Diamond plate anti fatigue mat with ground  
B40325SD 3'x25' Diamond plate anti fatigue runner  
B40375SD 3'x75' Diamond plate anti fatigue runner  
B40475SD 4'x75' Diamond plate anti fatigue 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).