



Ultra Con

2-LAYER High Temperature Rubber ESD Matting
Ultimate static safe work surface for electronic assembly areas.

- Item Number:** BM-UC (L x W) - Blue Top, Black Bottom
- * Premium mechanical and electrical performance
 - * Static-dissipative top layer
 - * Fully conductive backing
 - * Highly resistant to solder, fluxes and chemicals
 - * Soft yet durable
 - * Easily cleaned
 - * Meets or exceeds: EIA 625, MIL-HDBK-263 and MIL-STD-1686

SIZES AVAILABLE:

ROLLS	18" X 50'	24" X 50'
	30" X 50'	36" X 50'
	48" X 50'	

Custom and Precuts available

Ultra Con Elite

2-LAYER High Temperature Rubber ESD Matting
Ultimate static safe work surface for electronic assembly areas.

- Item Number:** BM-UC-E(L x W) - Blue Top, Black Bottom
- * Premium mechanical and electrical performance
 - * Static-dissipative top layer
 - * Fully conductive backing
 - * Highly resistant to solder, fluxes and chemicals
 - * Soft yet durable
 - * Easily cleaned
 - * Meets or exceeds: EIA 625, MIL-HDBK-263 and MIL-STD-1686

SIZES AVAILABLE:

ROLLS	30" X 30' Roll
-------	----------------

Custom and precut sizes available

Comfort Cushion

3-LAYER Vinyl ESD Matting
Excellent ESD elimination for all sensitive areas

- Item Number:** BM-CC (L x W) - Blue or Gray
- * Excellent mechanical and electrical performance
 - * Static-dissipative top layer
 - * Conductive scrim center layer
 - * Foamed dissipative vinyl bottom layer
 - * Skid resistant, soft, durable and easily cleaned
 - * Meets or exceeds: EIA 625, MIL-HDBK-263 and MIL-STD-1686

SIZES AVAILABLE:

Rolls	30" x 50'	2' x 50'
	3' x 50'	4' x 50'

Also available in 100' rolls Custom and precuts available

Comfort Cushion Elite

2-LAYER Vinyl ESD Matting
Excellent ESD elimination for all sensitive areas

- Item Number:** BM-CC-E (L x W) - Blue
- * Excellent mechanical and electrical performance
 - * Static-dissipative top layer
 - * Conductive scrim center layer
 - * Foamed dissipative vinyl bottom layer
 - * Skid resistant, soft, durable and easily cleaned
 - * Meets or exceeds: EIA 625, MIL-HDBK-263 and MIL-STD-1686

SIZES AVAILABLE:

Precut	18" X 23"	(16 per box)
Rolls	24" x 40'	52" x 40'

ELECTRICAL PROPERTIES:
 RTT: < 9.5 X 10⁷ @ 10 Volts per EOS / ESD 4.1
 RTG: < 8.5 X 100² @ 10 Volts per EOS / ESD 4.1

CHARGE DECAY:
 Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 Hours
 Test conducted @: 50% RH +/- 2% @ 230C +/- 10C.
 Test results = Time, seconds to decay to 10% of initial charge
 Results: <0.05 seconds

PHYSICAL PROPERTIES:
 Thickness: .060 (standard) .078, .090 (Optional)
 Tensile, >1000 PSI
 Durometer > 60 (Shore A)
 Colors, Blue or Gray
 Available in custom cut or roll form, 2-layer.

PHYSICAL PROPERTIES:
 Thickness: 1/4" (standard)
 Tensile, >1000 PSI
 Durometer > 60 (Shore A)
 Colors: Blue top, Black bottom
 Available in custom cut or roll form, 3-layer

ELECTRICAL PROPERTIES:
 Surface Resistance
 EN 100015.1 5x10⁵ - 5x10⁹
 EOS/ESD.S4.1990/100 V 1x10⁷ - 1x10⁹
 EOS/ESD.S4.1990/10 V 1x10⁷ - 1x10⁹

Resistance/Ground
 EN 100015.1 5x10⁵ - 5x10⁹
 EOS/ESD.S4.1990/100 V 1x10⁵ - 1x10⁹
 EOS/ESD.S4.1990/10 V 1x10⁵ - 1x10⁹

Charge Decay
 FED TM 101 (From 5000 to 50V) 0.01 sec

ELECTRICAL PROPERTIES:
 RTG: <5.5 X 10⁷ @ 10 Volts per EOS / ESD 4.1
 RTT: <5.5 X 10⁷ @ 10 Volts per EOS / ESD 4.1
 Surface Resistivity: < 10⁸ per EOS / ESD S11.11

CHARGE DECAY:
 Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 Hours
 Test conducted @: 50% RH +/- 2% @ 230C +/- 10C.
 Test results = Time, seconds to decay to 10% of initial charge
 Results: <2.0 seconds

PHYSICAL PROPERTIES:
 Thickness: 1/8"
 Colors: Blue or Gray

ELECTRICAL PROPERTIES:
 RTG: <5.5 X 10⁷ @ 10 Volts per EOS / ESD 4.1
 RTT: <5.5 X 10⁷ @ 10 Volts per EOS / ESD 4.1
 Surface Resistivity: < 10⁸ per EOS / ESD S11.11

CHARGE DECAY:
 Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 Hours
 Test conducted @: 50% RH +/- 2% @ 230C +/- 10C.
 Test results = Time, seconds to decay to 10% of initial charge
 Results: <2.0 seconds

PHYSICAL PROPERTIES:
 Thickness: 1/4"
 Colors: Blue
 Available in custom cut or roll form

TABLE MATS

Comfort Cushion
Elite Plus

DuroStat

DuroStat Elite

DuroStat
Elite Plus

Comfort Cushion Elite Plus

3-LAYER Vinyl ESD Matting
Excellent ESD elimination for all sensitive areas

Item Number: BM-CC-EP (L x W) - Blue

- ✳ Excellent mechanical and electrical performance
- ✳ Static-dissipative top layer
- ✳ Conductive scrim center layer
- ✳ Foamed dissipative vinyl bottom layer
- ✳ Skid resistant, soft, durable and easily cleaned
- ✳ Meets or exceeds: EIA 625, MIL-HDBK-263 and MILSTD-1686

SIZES AVAILABLE:

Precut 18" x 23" (12 per box)
Roll 30" x 60' 3' x 60'
Custom Cuts Available

Duro-Stat

Homogenous Vinyl ESD Matting
Dissipative & highly durable ESD dissipation for all sensitive areas

Item Number: BM-DS (L x W) - Blue or Gray

- ✳ Great mechanical and good electrical performance
- ✳ Static-dissipative solid vinyl
- ✳ Good resistance to chemicals
- ✳ Highly durable and long wearing
- ✳ Easily cleaned
- ✳ Good conformity to table tops
- ✳ Meets or exceeds: MIL-HDBK-263 and MILSTD-1686

SIZES AVAILABLE:

Rolls 30" x 50' 2' x 50'
3' x 50' 4' x 50'

Also 100' rolls available
Custom and precuts available.

Duro-Stat Elite

Homogenous Vinyl ESD Matting
Dissipative & highly durable ESD dissipation for all sensitive areas

Item Number: BM-DS-E (L x W) - Blue or Gray

- ✳ Great mechanical and good electrical performance
- ✳ Static-dissipative solid vinyl
- ✳ Good resistance to chemicals
- ✳ Highly durable and long wearing
- ✳ Easily cleaned
- ✳ Good conformity to table tops
- ✳ Meets or exceeds: MIL-HDBK-263 and MILSTD-1686

SIZES AVAILABLE:

Rolls 30" x 50' 2' x 50'
3' x 50' 4' x 50'

Custom and precuts available.

Duro-Stat Elite Plus

3 - Layer Homogenous Vinyl ESD Matting
Dissipative & highly durable ESD dissipation for all sensitive areas

Item Number: BM-DS-EP (L x W) - Blue or Gray

- ✳ Great mechanical and good electrical performance
- ✳ Static-dissipative solid vinyl
- ✳ Good resistance to chemicals
- ✳ Highly durable and long wearing
- ✳ Easily cleaned
- ✳ Good conformity to table tops
- ✳ Meets or exceeds: MIL-HDBK-263 and MILSTD-1686

SIZES AVAILABLE:

Rolls 30" x 50' 2' x 50'
3' x 50' 4' x 50'

Custom and precuts available.

ELECTRICAL PROPERTIES:

RTG: <5.5 X 10⁶ @ 10 Volts per EOS / ESD 4.1
RTT: <5.5 X 10⁷ @ 10 Volts per EOS / ESD 4.1
Surface Resistivity: < 10⁹ per EOS / ESD S11.11

CHARGE DECAY:

Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 Hours
Test conducted @: 50% RH +/- 2% @ 230C +/- 10C.
Test results = Time, seconds to decay to 10% of initial charge
Results: <2.0 seconds

PHYSICAL PROPERTIES:

Thickness: 3/8"
Colors: Blue
Available in custom cut or roll form

ELECTRICAL PROPERTIES:

RTG: <8.5 X 10⁶ @ 10 Volts per EOS / ESD 4.1
RTT: <8.5 X 10⁷ @ 10 Volts per EOS / ESD 4.1

CHARGE DECAY:

Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 Hours
Test conducted @: 50% RH +/- 2% @ 230C +/- 10C.
Test results = Time, seconds to decay to 10% of initial charge
Results: <2.0 seconds

PHYSICAL PROPERTIES:

Thickness: .060 (standard)
Colors: Blue or Gray
Available in custom cut or roll form

ELECTRICAL PROPERTIES:

RTG: <8.5 X 10⁶ @ 10 Volts per EOS / ESD 4.1
RTT: <8.5 X 10⁷ @ 10 Volts per EOS / ESD 4.1

CHARGE DECAY:

Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 Hours
Test conducted @: 50% RH +/- 2% @ 230C +/- 10C.
Test results = Time, seconds to decay to 10% of initial charge
Results: <2.0 seconds

PHYSICAL PROPERTIES:

Thickness: .093
Colors: Blue or Gray
Available in custom cut or roll form

ELECTRICAL PROPERTIES:

RTG: <8.5 X 10⁶ @ 10 Volts per EOS / ESD 4.1
RTT: <8.5 X 10⁷ @ 10 Volts per EOS / ESD 4.1

CHARGE DECAY:

Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 Hours
Test conducted @: 50% RH +/- 2% @ 230C +/- 10C.
Test results = Time, seconds to decay to 10% of initial charge
Results: <2.0 seconds

PHYSICAL PROPERTIES:

Thickness: .093
Colors: Blue or Gray
Available in custom cut or roll form

FLOOR MATS

Tough One!

UltraCon FM

UltraCon Elite FM

Anti-Fatigue II

No Slip II

Tough One!

**Static Dissipative Vinyl Matting
Embossed Homogenous Solid Vinyl**

Item Number: FM-TO- (L x W) - Brown

- ✦ Embossed for slip resistant safety
- ✦ Extremely tough and durable
- ✦ Permanent electrical properties
- ✦ Doesn't show dirt
- ✦ Protects carpets
- ✦ Meets or exceeds: Mil-HDBK-263 and MIL-STD-1686

UltraCon FM

**Static Conductive Rubber Matting
Reversible, highly conductive rubber
Rapid, dependable discharges**

Item Number: FM-UC- (L x W) - Black

- ✦ Premium mechanical and electrical properties
- ✦ Resistant to hot solder, oil, grease and solvents
- ✦ Smooth for easy cleaning
- ✦ Reversible, doubles the life span
- ✦ Exceeds: EIA 625, Mil-HDBK-263 and MIL-STD-1686

Ultra Con FM Elite

**2-LAYER High Temperature Rubber ESD Matting
Ultimate static safe work surface for electronic
assembly areas.**

Item Number: BM-UC-FM-E(L x W) - Blue Top, Black Bottom

- ✦ Premium mechanical and electrical performance
- ✦ Static-dissipative top layer
- ✦ Fully conductive backing
- ✦ Highly resistant to solder, fluxes and chemicals
- ✦ Soft yet durable
- ✦ Easily cleaned
- ✦ Meets or exceeds: EIA 625, MIL-HDBK-263 and MIL-STD-1686

Anti-Fatigue II

**Static Dissipative Vinyl Matting, Ergonomic comfortable
foamed Vinyl
Reliable, dependable discharge**

Item Number: FM-AF- (L x W) - Brown or Gray

- ✦ Embossed for slip resistant safety
- ✦ Ergonomic comfort for increased productivity
- ✦ Permanent dissipative properties
- ✦ Good wear resistance, doesn't show dirt
- ✦ Meets or exceeds: Mil-HDBK-263 and MIL-STD-1686

No Slip II

**Static Dissipative Vinyl Matting, Corrugated Slip Resistant
Vinyl**

Item Number: FM-NS- (L x W) - Gray

- ✦ Corrugated for slip resistant safety
- ✦ Easy to cut and configure
- ✦ Permanent and consistent electrical properties
- ✦ Ergonomic comfort, lays flat without curling
- ✦ Meets or exceeds: Mil-HDBK-263 and MIL-STD-1686

SIZES AVAILABLE:

3' x 60' rolls 4' x 60' rolls
(Custom cut and pre-cut sizes available)

SIZES AVAILABLE:

Rolls 3' x 50' 4' x 50'

Custom and precut available

ELECTRICAL PROPERTIES:

RTG: < 6.0 X 10⁹ @ 10 Volts per EOS / ESD 4.1

RTT : < 8.0 X 10⁹ @ 10 Volts per EOS / ESD 4.1 (top layer)

Surface Resistance: < 9.1 X 10⁹ per EOS / ESD S11.11

CHARGE DECAY:

Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 Hours

Test conducted @: 50% RH +/- 2% @ 230C +/- 10C

Test results = Time, seconds to decay to 10% of initial charge

Results: <.2 seconds

SIZES AVAILABLE:

Rolls 3' x 50' 4' x 50'

Custom and Precuts Available

ELECTRICAL PROPERTIES:

RTG: < 5.3 X 10⁹ @ 10 Volts per EOS / ESD 4.1

PTP : < 5.6 X 10⁹ @ 10 Volts per EOS / ESD 4.1

CHARGE DECAY:

Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 Hours

Test conducted @: 50% RH +/- 2% @ 230C +/- 10C

Test results = Time, seconds to decay to 10% of initial charge

Results: <0.03 seconds

SIZES AVAILABLE:

30" X 30' Roll

Custom and precut sizes available

PHYSICAL PROPERTIES:

Thickness: 1/4"

Tensile, >1000 PSI

Durometer > 60 (Shore A)

Colors: Blue top, Black bottom

Available in custom cut or roll form, 2-layer (standard), 3-layer (optional)

SIZES AVAILABLE:

Precuts:

(6 per box) 2' x 3' 3' x 5'

Roll: 3' x 60' 4' x 60'

Custom Cuts Available

ELECTRICAL PROPERTIES:

RTG: < 1.3 x 10⁹ Volts per EOS / ESD 4.1

PTP : < 4.6 x 10⁹ Volts per EOS / ESD 4.1

ELECTRICAL PROPERTIES:

RTG: < 3.0 X 10⁹ @ 10 Volts per EOS / ESD 7.1

RTT : < 3.0 X 10⁹ @ 10 Volts per EOS / ESD 4.1 (top layer)

CHARGE DECAY:

Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 Hours

Test conducted @: 50% RH +/- 2% @ 230C +/- 10C

Test results = Time, seconds to decay to 10% of initial charge

Results: <.034 seconds

PHYSICAL PROPERTIES:

Thickness: .125

Colors: Gray

Available in custom cut sizes or roll form

PHYSICAL PROPERTIES:

Thickness: .125

Colors: Brown

Available in custom cut sizes or roll form.

PHYSICAL PROPERTIES:

Thickness: .060

Colors: Black

ELECTRICAL PROPERTIES:

Surface Resistance

EN 100015.1 5x10⁹ - 5x10⁹

EOS/ESD.S4.1990/100 V 1x10⁷ - 1x10⁹

EOS/ESD.S4.1990/10 V 1x10⁷ - 1x10⁹

Resistance/Ground

EN 100015.1 5x10⁹ - 5x10⁹

EOS/ESD.S4.1990/100 V 1x10⁸ - 1x10⁹

EOS/ESD.S4.1990/10 V 1x10⁸ - 1x10⁹

Charge Decay

FED TM 101 (From 5000 to 50V) 0.01 sec

CHARGE DECAY:

Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 Hours

Test conducted @: 50% RH +/- 2% @ 230C +/- 10C

Test results = Time, seconds to decay to 10% of initial charge

Results: <.00 seconds

PHYSICAL PROPERTIES:

Thickness: .375

Colors: Brown or Gray

Available in custom cut sizes or 3' X 60' roll form