



# DESCO WORKSURFACE MAT SELECTION CHART

## RUBBER\*

Statfree	Thickness	Material Construction	Resistance (Rtt in ohms) per ANSI/ESD S4.1	Surface	Best Application	Special Features	Hardness Shore A Per ASTM D2240	Compatible w/ Monitors
<a href="#"><u>T2</u></a> <a href="#"><u>Lead-Free/Premium</u></a>	0.060"	Two-layer	Color Side $1 \times 10^6$ to $< 1 \times 10^9$ Black Side $< 1 \times 10^5$	Light texture	Area w/chemicals & solder used	UV Inhibitors added to mat	65 ± 5	Yes
<a href="#"><u>UC2</u></a>	0.080"	Two-layer	Color Side $1 \times 10^6$ to $< 1 \times 10^9$ Black Side $< 1 \times 10^5$	Light Texture	Clean room; Class 100-1000	Clean packaged version available	70 ± 5	Yes
<a href="#"><u>J</u></a>	0.125"	Single-layer	Color Side $1 \times 10^6$ to $< 1 \times 10^9$	Open cell sponge	Cushion for product storage	Pre taped tray liners	45 ± 5	No
<a href="#"><u>DLR</u></a>	0.060"	Two-layer	Color Side $1 \times 10^6$ to $< 1 \times 10^9$ Black Side $< 1 \times 10^5$	Smooth		Economical	60 ± 5	Yes

## VINYL

<a href="#"><u>Z2</u></a>	0.125"	Three-layer	Color Side $1 \times 10^6$ to $< 1 \times 10^9$	Light Emboss	Light duty manufacturing	Cushion bottom layer	45 ± 5	Yes
<a href="#"><u>O</u></a>	0.375"	Three-layer	Color Side $1 \times 10^6$ to $< 1 \times 10^9$	Light Emboss	Impact energy diffusion	Double cushion layer	45 ± 5	Yes
<a href="#"><u>B2</u></a>	0.060"	Two-layer	Color Side $1 \times 10^6$ to $< 1 \times 10^9$ Black Side $< 1 \times 10^5$	Light Emboss	Lite duty manufacturing	Low-charge flame retardant additive	80 ± 5	Yes
<a href="#"><u>Trustat®</u></a> <a href="#"><u>B80</u></a>	0.080"	Single-layer	$1 \times 10^6$ to $< 1 \times 10^9$	Light Texture		Economical	85 ± 5	Not Recommended

## LAMINATE

<a href="#"><u>Micastat®</u></a>	0.038"	High pressure laminate	Color Side $1 \times 10^6$ to $< 1 \times 10^9$	Smooth	Replacement for non-ESD laminate or worn ESD laminate	Laminate grounding systems	N/A	Yes
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## DISPOSABLE

<a href="#"><u>Disposable ESD Mats</u></a>	0.060"	Fiberboard w/ Internal Conductive Layer	Color Side $1 \times 10^6$ to $< 1 \times 10^8$	N/A	Sacrificial	Volume Dissipative	N/A	Yes
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Note: [RoHS 2](#), [REACH](#), and [Conflict Minerals Statement](#)

None of the RoHS 2 restricted materials, or REACH substances of very high concern as of 2015/12/17, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. [See Desco Limited Warranty at Desco.com](#).

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\*Rubber has higher Heat Resistance than Vinyl and is preferred for soldering applications.