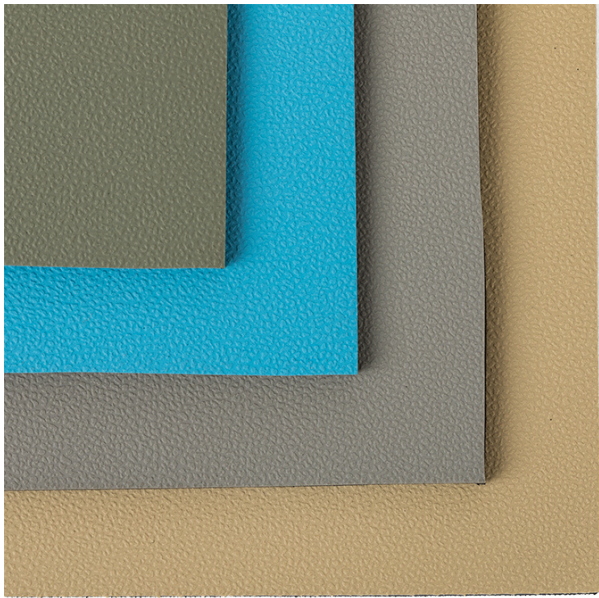


BONDLINE



ESD Premium Textured Bench Matting

KSMLF



Colour Options
(May vary between batches)



Green



Blue



Grey



Beige

Cleaning

For optimum electrical performance surface must be cleaned regularly using an ESD safe mat cleaner. We suggest using a staticide surface cleaner for best cleaning results.

Description

Two layer static dissipative rubber mat, high durable work surface for ESD sensitive environment. The dissipative top layer is resistant to abrasion, heat, solders flux and most commonly used solvents. The black conductive bottom layer provides a superior and consistent ground path. The smooth texture can be easily cleaned and maintained. The product is also certified for ROHS regulations. Very scratch resistant and it prevents sliding of components.

Features

- Thickness - 0.076 (2.00mm).
- Synthetic rubber material.
- Scratch resistant - No clear scratch and well recovery.
- Heat resistance - Resist holds irons and hot paste, rubber doesn't melt if in contact with hot metal parts and soldering debris.
- UV resistance - No major disc.
- No curling, no pin-holes, and no irritant odor.
- Stud force: 6KG/ 59cm (Recommended)

Standards

- This meets the requirements of US ESD Associations ANSI 20.20 and ANI IEC 61340-5 guidelines.

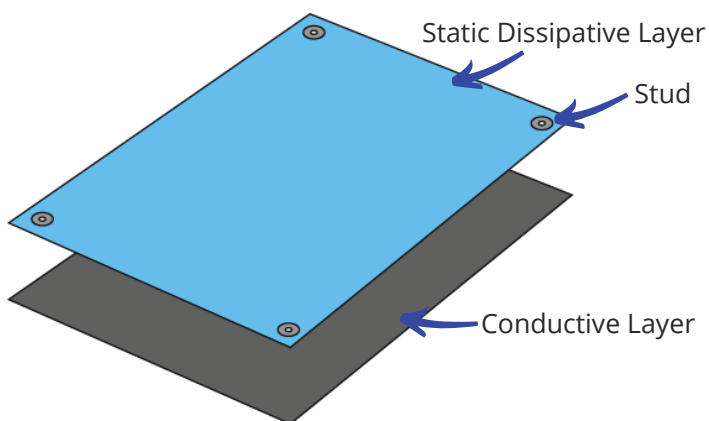


BONDLINE



ESD Premium Textured Bench Matting

KSMLF (cut sizes)



Construction

Two layer, static dissipative top surface, black conductive bottom layer.

Standard Roll Sizes

- 10m x 1.2m
- 10m x 0.60m

Physical Properties	Typical Values
Thickness	0.076 (2.00mm)
Hardness - Upper Dissipative Layer	70 -5 + 5 shore A (Per ASTM D2240)
Hardness - Lower Conductive Layer	75 -5 + 5 shore A (Per ASTM D2240)
Scratch Resistance	No clear scratch and well recovery.
UV Resistance	No major disc
Stud Force	6KG/ 59cm (Recommended)
Heat Resistance	Resist holds irons and hot paste, rubber doesn't melt if in contact with hot metal parts and soldering debris.

Electrical Properties	Typical Values
Charge Decay	< 0.1 sec per FTMS 101C, M4046, TB-WINT-0008
Charge Generation	< 100 volts per ANSI/ ESD STM4.2



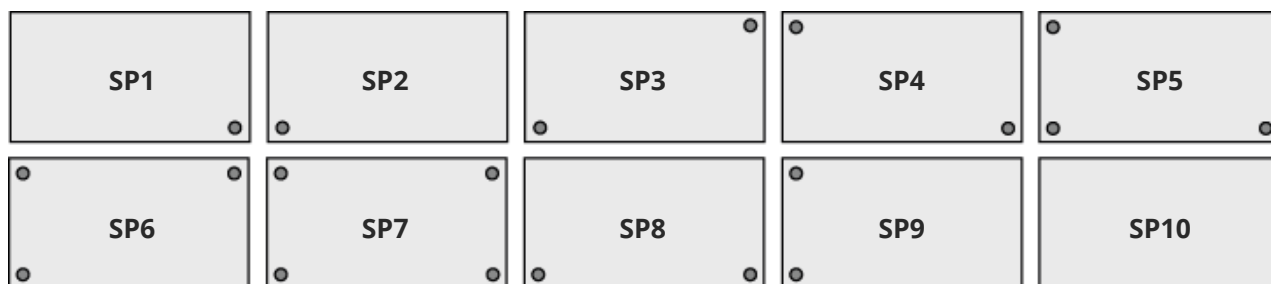
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ESD Premium Textured Bench Matting

KSMLF (cut sizes)

Stud Position



Standard Product	Description	Colour
KSMLF4B	ESD Bench Material 1.2 x10m	Blue
KSMLF4G	ESD Bench Material 1.2 x10m	Grey
KSMLF4BEI	ESD Bench Material 1.2 x10m	Beige
KSMLF4GR	ESD Bench Material 1.2 x10m	Green
KSMLF2B	ESD Bench Material 0.6 x10m	Blue
KSMLF2G	ESD Bench Material 0.6 x10m	Grey
KSMLF2BEI	ESD Bench Material 0.6 x10m	Beige
KSMLF2GR	ESD Bench Material 0.6 x10m	Green
KSMLF42B	ESD Bench Mat 1.2 x 0.6m	Blue
KSMLF42G	ESD Bench Mat 1.2 x 0.6m	Grey

Mechanical Properties	Typical Values
Room Temperature	21°C
Humidity	62%

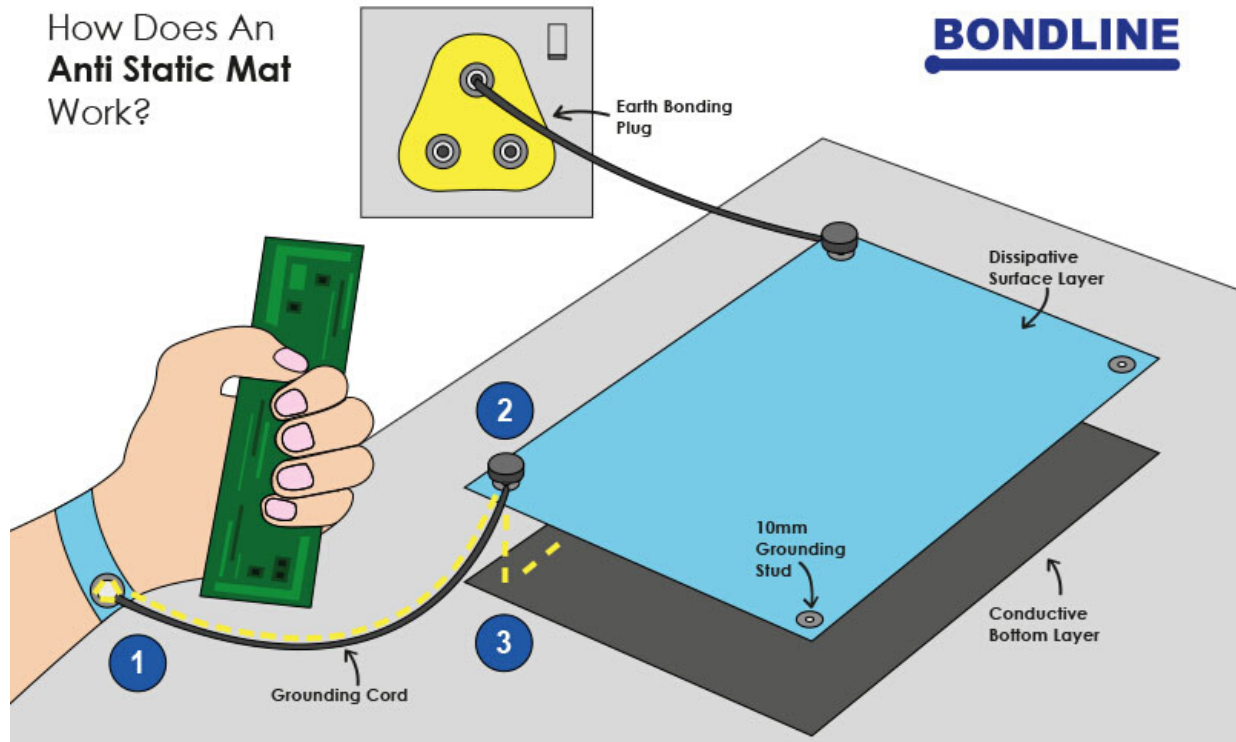




ESD Premium Textured Bench Matting

KSMLF (cut sizes)

Item	Top Layer	Bottom Layer
300% tensile strength	3.7Mpa	3.7Mpa
Breaking strength	18.7Mpa	3.7Mpa
Elongation at break	690Mpa	250Mpa
Hardness	66°	80°



- 1 Operator is grounded as charge passes through the wrist strap into the coil cord.
- 2 Coil cord is connected to the 10mm grounding stud.
- 3 The static charge passes through the mat, through the grounding lead to earth.



Important Notice: The information contained within this spec sheet is for guidance only. We make no warranties expressed or implied and assume no liability regarding any use of this information. ESD Bench Matting, January 1st 2020.

